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ANNUAL PLANNING INFORMATION REPORT FISCAL YEAR 1983 GREATER BOSTON

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Massachusetts Division of Employment Security

job market research

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
Charles F. Hurley Building
Government Center, Boston MA. 02114

ANNUAL PLANNING INFORMATION REPORT

FISCAL YEAR 1983

GREATER BOSTON

Prepared by: Edward F. Kaznocha
Senior Labor Market Economist
and
Stephen Pourinski
Senior Labor Market Economist

Eugene J. Doody, Director

Helen B. Munzer, Director
Job Market Research

Dorothy R. Sullivan
Chief Supervisor
Labor Area Research

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PREFACE

The Annual Planning Information Report is devised to provide workforce planners with detailed demographic and socio-economic information, anticipated labor market conditions, and information on employment developments by occupation and industry. The data and analysis in this report should enable manpower planners to identify groups for whom services should be provided, the types of programs and services that would best serve these groups, and the number and types of workers required to meet employer needs.

In this year's report we are including the Marlboro and Milford Labor Market Areas. The reasons for this change are demographic and industrial in nature. The Marlboro and Milford Labor Market Areas combined with the Boston SMSA, form a contiguous border along the Route 495 circumferential highway. Between Routes 128 and 495 many of the State's major high technology industries are located within the labor areas covered in this report.

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Annual Planning Information Report
Fiscal Year 1983
Greater Boston Area

I. EXECUTIVE SUMMARY

Boston SMSA

- The 1981 annual average unemployment rate for the Boston SMSA of 5.7 percent reversed the trend which began in 1975 of decreasing unemployment rates. The 1981 rate matched the rate of a decade earlier.

- Total nonagricultural employment reached its highest recorded level during 1981 with 1,476,100 workers in the area. The rate of growth was very small at one tenth of one percent.

    - Manufacturing employment decreased by half of a percentage point to 293,400.

    - Nonmanufacturing employment increased three tenths of a percentage point to 1,182,700. This represents 80 percent of total nonfarm employment in the Boston SMSA.

    - The greatest employment gains were in Services and Mining at 4.2 percent.

    - Job losses occurred in Government which decreased 7.4 percent and Transportation, Communications and Utilities which decreased 2.6 percent.

- Projections for the Boston area's population for fiscal year 1983 indicate the population will continue to decline.

- Conversely, the total labor force is projected to increase as the relative number of people working or seeking work increases. The largest participation rate increases are expected to be among female and minority groups.

Marlborough LMA

- The 1981 annual average unemployment rate in the Marlborough Labor Market Area (LMA) was 5.1 percent.

- Total nonagricultural employment for the area decreased 2.6 percent.

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- Manufacturing employment as a whole dropped 4.6 percent.
    - Within manufacturing, the Instruments sector increased 5.8 percent.
- Nonmanufacturing employment increased 1.8 percent.
    - The greatest gain 7.2 percent, was in Finance, Insurance, and Real Estate.
    - Decreases were noted in;Contract Construction down 3 percent and Transportation, Communications and Utilities down 5.9 percent.

Milford LMA

- The Milford LMA's annual average unemployment rate was 9.5 percent during 1981.
- Nonagricultural employment decreased 1.5 percent in the area during the year as the unemployment rate increased by 2.3 percentage points.
    - Manufacturing employment dropped nine tenths of a percent.
    - Within Manufacturing, Fabricated Metals increased nine percent.
- Nonmanufacturing employment decreased slightly less than two percent.
    - The largest decline was in Government at 10 percent.
    - Increased employment was greatest in Wholesale and Retail Trade at 8.7 percent.
- During fiscal year 1983 employment growth is expected in the Finance, Insurance and Real Estate; Wholesale and Retail Trade; and Services industries in all three labor market areas.
- Certain population groups within the three areas will need extra help in finding jobs during fiscal year 1983. These include individuals wo are:
    - Economically disadvantaged
    - Long-term unemployed
    - Lacking job skills
    - Youth
    - Displaced from government jobs

- Several organizations are providing funded training programs to assist these individuals:
    - Bay State Skills Corporation (BSSC)
    - Work and Training Program (WTP)
    - Vocational Rehabilitation Training (VR)

The Career and Learning Line (CALL) provides easy phone access to information about what programs are available throughout the Commonwealth.

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II. Description of the Areas

A. Definition of the Areas

1. **Boston SMSA:** The Boston Standard Metropolitan Statistical Area (SMSA) consists of 17 cities and 75 towns, with the city of Boston at its core. The Boston labor market was established and defined as an area with a concentration of economic activity in which workers could change jobs without changing their residence. The majority of information in this report pertains to data about the Boston SMSA. The geographic entity of the Boston SMSA includes all of Suffolk and parts of Essex, Middlesex, Norfolk and Plymouth counties. The Boston SMSA grew in a semicircular fashion around Boston Harbor, which serves as a major port facility today. The water needs of the Metropolitan Boston area are served by two manmade lakes: Quabbin Resevoir, the largest in the state, and Wachusetts Resevoir with 24,704 and 4,160 acres respectively.

CITIES

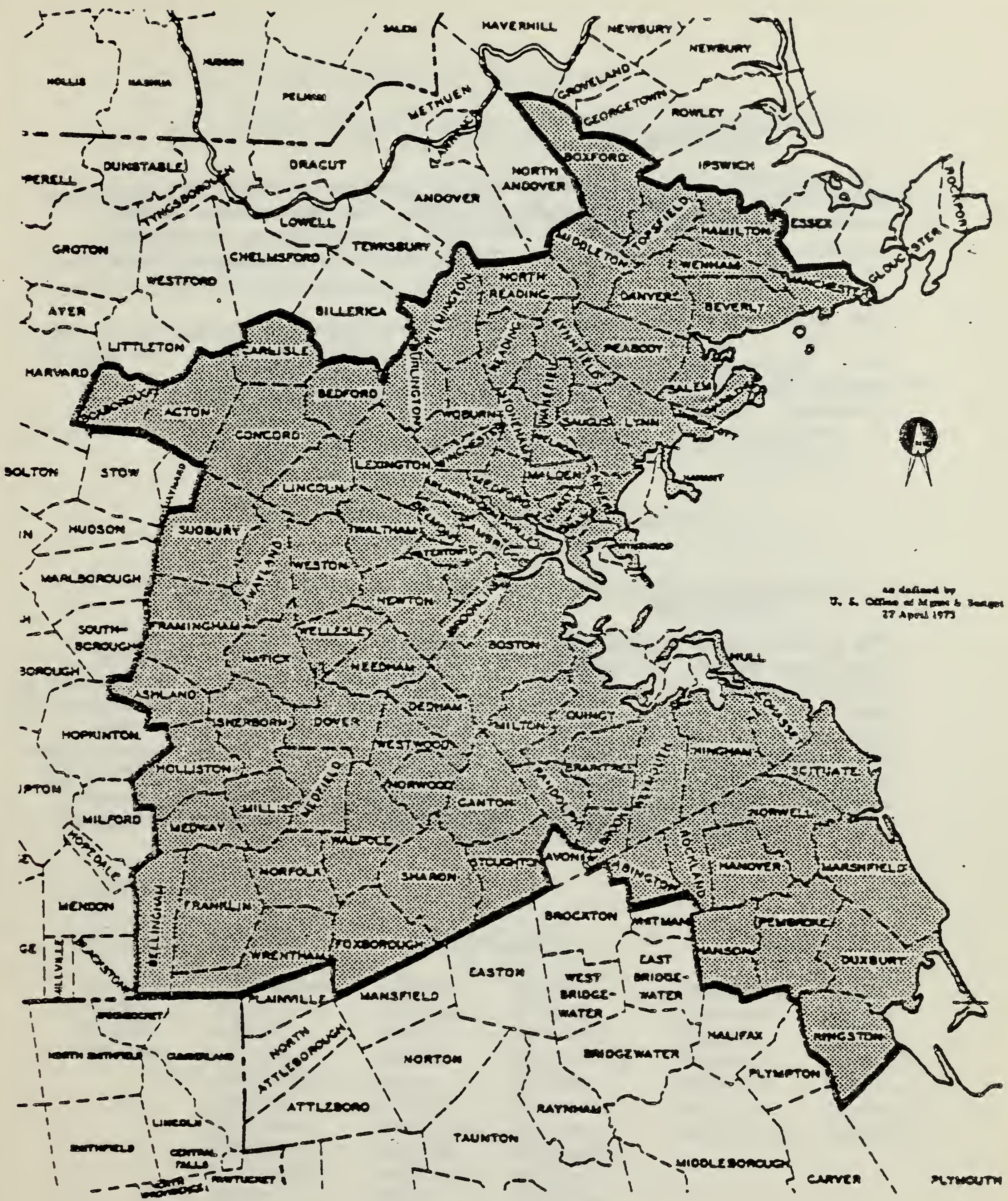
Beverly
Boston
Cambridge
Chelsea
Everett
Lynn
Malden
Medford
Melrose
Newton
Peabody
Quincy
Revere
Salem
Somerville
Waltham
Woburn

TOWNS

Abington
Acton
Arlington
Ashland
Bedford
Belmont
Bellingham
Boxborough
Boxford
Braintree
Brookline
Burlington
Canton
Carlisle
Cohasset
Concord
Danvers
Dedham
Dover
Duxbury
Framingham
Franklin
Foxborough
Hamilton
Hanover
Hanson
Hingham
Holbrook
Holliston
Hull
Kingston
Lexington
Lincoln
Lynnfield
Manchester
Marblehead
Marshfield
Medfield
Medway
Middleton
Millis
Milton
Nahant
Natick
Needham
Norfolk
No. Reading
Norwell
Norwood
Pembroke
Randolph
Reading
Rockland
Saugus
Scituate
Sharon
Sherborn
Stoneham
Stoughton
Sudbury
Swampscott
Topsfield
Wakefield
Walpole
Watertown
Wayland
Wellesley
Wenham
Weston
Westwood
Weymouth
Wilmington
Winchester
Winthrop
Wrentham

Map 1

BOSTON SMSA



as defined by
U. S. Office of Mgmt & Budget
27 April 1973

MASSACHUSETTS DEPARTMENT OF COMMUNITY AFFAIRS
BUREAU OF REGIONAL PLANNING

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SCALE IN MILES

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2. Marlborough LMA

The Marlborough Labor Market Area (LMA) consists of six cities and towns with the city of Marlborough as its core. The Marlborough LMA was established and defined as an area with a concentration of economic activity in which workers could change jobs without changing their place of residence.

The Marlborough LMA is bordered on the east and north by the Boston SMSA; the west by the Worcester LMA; and on its southern border by the Milford LMA. The geographic and economic entity of the Marlborough LMA cuts across county lines and includes parts of the Middlesex and Worcester counties. The Marlborough LMA is comprised of the city of Marlborough and the towns of Bolton, Hudson, Maynard, Southborough and Stow.

3. Milford LMA

The Milford Labor Market Area (LMA) consists of four towns; Hopedale, Hopkinton, Mendon, and Milford. The Milford LMA is bordered on the east by the Boston SMSA; the west by the Worcester LMA; the north by the Marlborough LMA; and on the south by the towns of Blackstone and Millville. The geographic and economic entity of the Milford LMA cuts across county lines and includes parts of Middlesex and Worcester counties. The Milford LMA was established and defined as an area with a concentration of economic activity in which workers could change jobs without changing residences, with the town of Milford at its core.

4. CETA Prime Sponsors and Subgrantees

a. Boston SMSA CETA Areas: The Boston SMSA includes three prime sponsor CETA area and five subgrantee CETA areas.

CETA: The Comprehensive Employment and Training Act of 1973 establishes a broad based block grant program of employment and training and related activities.

CETA Areas Serving the Boston SMSA:

Prime Sponsors:

Boston: Neighborhood Development and Employment Administration (NDEA) City of Boston.

Cambridge: Eastern Middlesex Human Resources Development Authority (EMHRDA).

- Arlington
- Belmont
- Cambridge
- Somerville
- Watertown

Salem: Salem Area Employment and Training Administration (SAETA).

- Beverly
- Danvers
- Essex
- Gloucester
- Hamilton
- Ipswich
- Lynn
- Lynnfield
- Manchester
- Marblehead
- Middleton
- Nahant
- Peabody
- Rockport
- Salem
- Saugus
- Swampscott
- Topsfield
- Wenham

Subgrantees:

Chelsea

- Chelsea
- Malden
- Revere
- Winthrop

Medford

- Burlington
- Everett
- Medford
- Melrose
- No. Reading
- Reading
- Stoneham
- Wakefield
- Wilmington
- Woburn
- Winchester

Norwood/Newton

- Bedford
- Brookline
- Canton
- Dedham
- Dover
- Foxboro
- Lexington
- Lincoln
- Medfield
- Millis
- Needham
- Newton
- Norfolk
- Norwood
- Plainville
- Sharon
- Walpole
- Waltham
- Wellesley
- Weston
- Westwood
- Wrentham

Quincy

- Braintree
- Cohasset
- Hanover
- Hingham
- Holbrook
- Hull
- Marshfield
- Milton
- Norwell
- Quincy
- Randolph
- Rockland
- Scituate
- Weymouth

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b. Marlborough LMA CETA Areas

The Marlborough LMA is served by the Marlborough consortium. The municipalities served by this subgrantee are:

- Acton
- Ashland
- Bellingham
- Boxborough
- Carlisle
- Concord
- Framingham
- Franklin
- Holliston
- Hopkinton
- Hudson
- Littleton
- Marlborough
- Maynard
- Medway
- Natick
- Sherborn
- Southborough
- Stow
- Sudbury
- Wayland

c. Milford CETA Areas

The Milford LMA does not host a CETA consortium. However, the towns comprising the Milford LMA are served by the Marlborough and Hopedale consortiums.

Hopedale: Career Development Center of South Central Massachusetts:

- Blackstone
- Douglas
- Hopedale
- Mendon
- Milford
- Millville
- Northbridge
- Sutton
- Upton
- Uxbridge

5. The Job Service Center

The Job Service Center serves as a labor exchange providing applicant referral and positive recruitment for employers, job information, job development and placement, employment counseling and testing to jobseekers. The Job Service also provides services to targeted applicant groups: Vietnam-era Veterans, handicapped, older workers, youth, minorities, recipients of AFDC and food stamps, and persons eligible for CETA activities.

The following is a list of Job Service Centers in the Boston SMSA, Marlborough LMA and the Milford LMA.

Table 1
Cities and Towns and the Local Office Serving Them
Within the Boston SMSA

Boston Office
- Boston
- Brookline
- Chelsea
- Revere
- Winthrop

Cambridge Office
- Arlington
- Belmont
- Cambridge
- Somerville
- Watertown

Framingham Office
- Ashland
- Framingham
- Holliston
- Hopkinton
- Natick
- Saxonville
- Sherborn
- Westboro

Lynn Office
- Lynn
- Lynnfield
- Nahant
- Saugus
- Swampscott

Malden Office
- Everett
- Malden
- Medford
- Melrose
- No. Reading
- Reading
- Stoneham
- Wakefield
- Wilmington
- Winchester
- Woburn

Norwood Office
- Canton
- Dedham
- Dover
- Medfield
- Norfolk
- Norwood
- Sharon
- Walpole
- Westwood

Quincy Office
- Braintree
- Cohasset
- Hingham
- Hull
- Milton
- Norwell
- Quincy
- Scituate
- Weymouth

Salem Office
- Beverly
- Danvers
- Hamilton
- Marblehead
- Middleton
- Peabody
- Salem
- Topsfield
- Wenham

Waltham Office
- Bedford
- Burlington
- Lexington
- Lincoln
- Needham
- Newton
- Waltham
- Wayland
- Wellesley
- Weston

Table 2
Cities and Towns Served by the Local Office in the Marlborough LMA

Marlborough Office

Acton
Berlin
Bolton
Boxborough
Carlisle
Concord
Hudson
Marlborough
Maynard
Northborough
Southborough
Stow
Sudbury

Table 3
Cities and Towns Served by the Local Office in the Milford LMA

Bellingham
Blackstone
Franklin
Hopedale
Medway
Mendon
Milford
Millis
Millvile
Northbridge
Upton
Uxbridge

6. Transportation

a. Transportation Exchanges

The Boston SMSA, Marlborough and Milford LMAs are serviced by four major transportation exchanges: Logan International Airport, Hanscom Field, and the Port of Boston (all under the administration of Massport), and the Railroad System.

Logan International Airport located in East Boston has both commercial and private facilities for freight and passenger service for international and domestic flights to major cities.

Hanscom Field, Massport's second airport, is located 18 miles northwest of Boston in the town of Bedford. Situated along Route 128 in the center of Massachusetts' thriving high technology country, Hanscom Field has facilities for general aviation flights with particular emphasis on corporate aircraft operations.

The Port of Boston Massport facilities are in the process of expanding its services. Currently the Port has the ability for the transfer of container ships cargo for exporting and importing goods channeled through the Port of Boston.

The Boston Foreign Trade Zone (FTZ) located at Massport's Commonwealth Pier in Boston is available to area business interested in international trade. At the FTZ, foreign merchandise can be exhibited, stored, assembled, or used without being subject to United States customs duties. Duties are not paid until or unless the goods enter Custom territory from the Zone, and goods exported from the Zone leave duty-free.

In addition to Logan International Airport and the Port of Boston, Boston also has a linkup for rail freight with all major cities throughout the United States. Railroad service is provided by Conrail, Amtrak, and the Boston and Maine.

The network of State and interstate highways allows for trucking accessibility to the four major transportation exchanges. Major interstate highways in the Boston SMSA, Marlborough and Milford LMA, are Routes 93, 95, 495 and 290. Major state highways are Routes 1,3,24,128 and 90 (the Massachusetts Turnpike). See Page 12 for Highway Map of the area.

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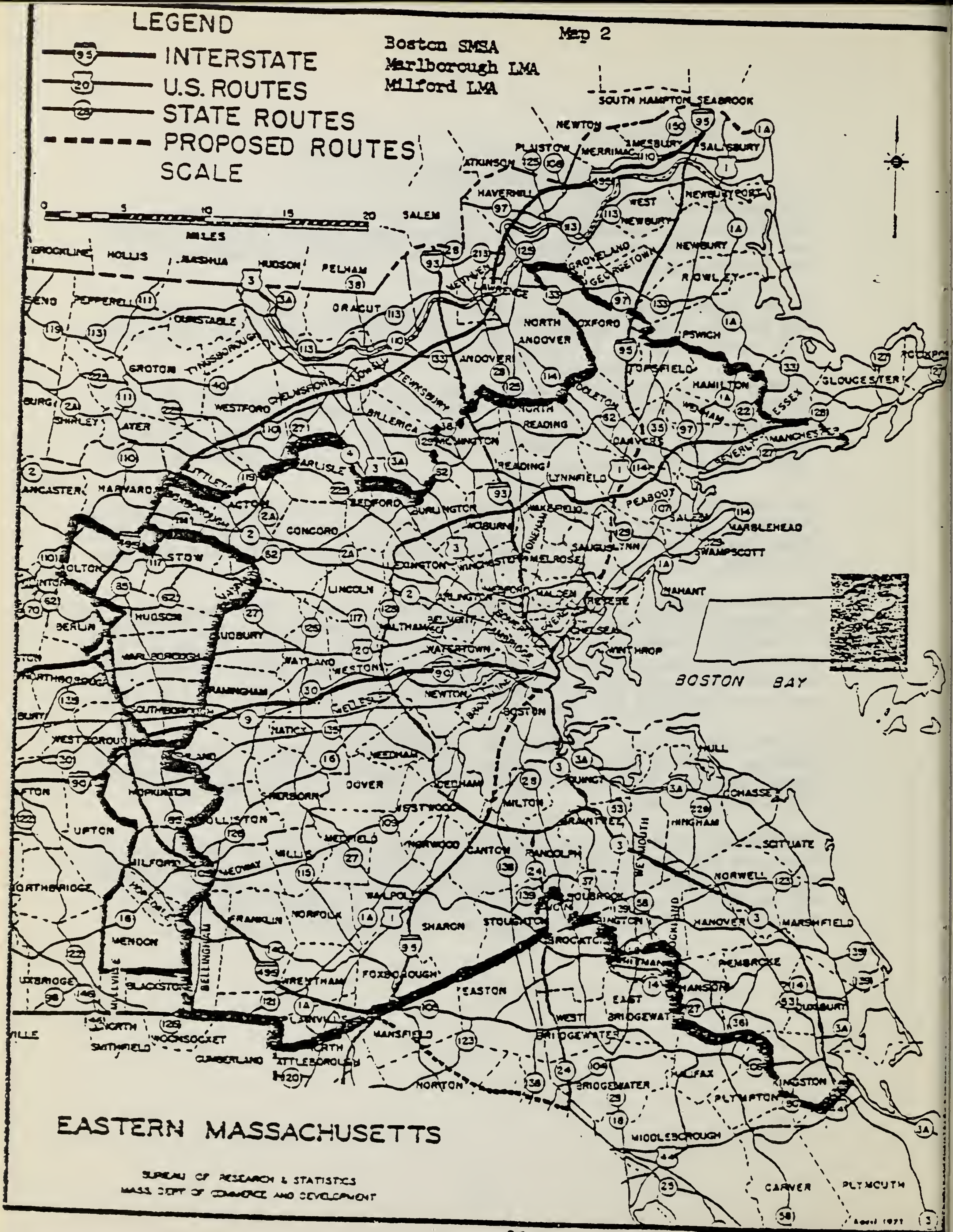
Map 2

Boston SMSA
Marlborough LMA
Milford LMA



b. Commuters (Subway, Bus, Rail)

The Massachusetts Bay Transportation Authority (MBTA or the "T") offers various modes of transportation for the commuter. The subway system (the most widely used component of the MBTA) has branches that lead from downtown Boston to all the major suburban areas. Supplementing the Rapid Transit System are MBTA buses that provide cross-town service, and local service in the city's suburbs. Completing the bus network is express bus service to the outlying areas to and from the downtown Boston area. See Page 14 for map of the rapid transit system and commuter rail lines.

The MBTA commuter rail system provides train service to the area by the B&M Railroad. Trains leaving Boston's South Station service the southern and western communities while trains departing from the North Station provide service to the northern and western communities.

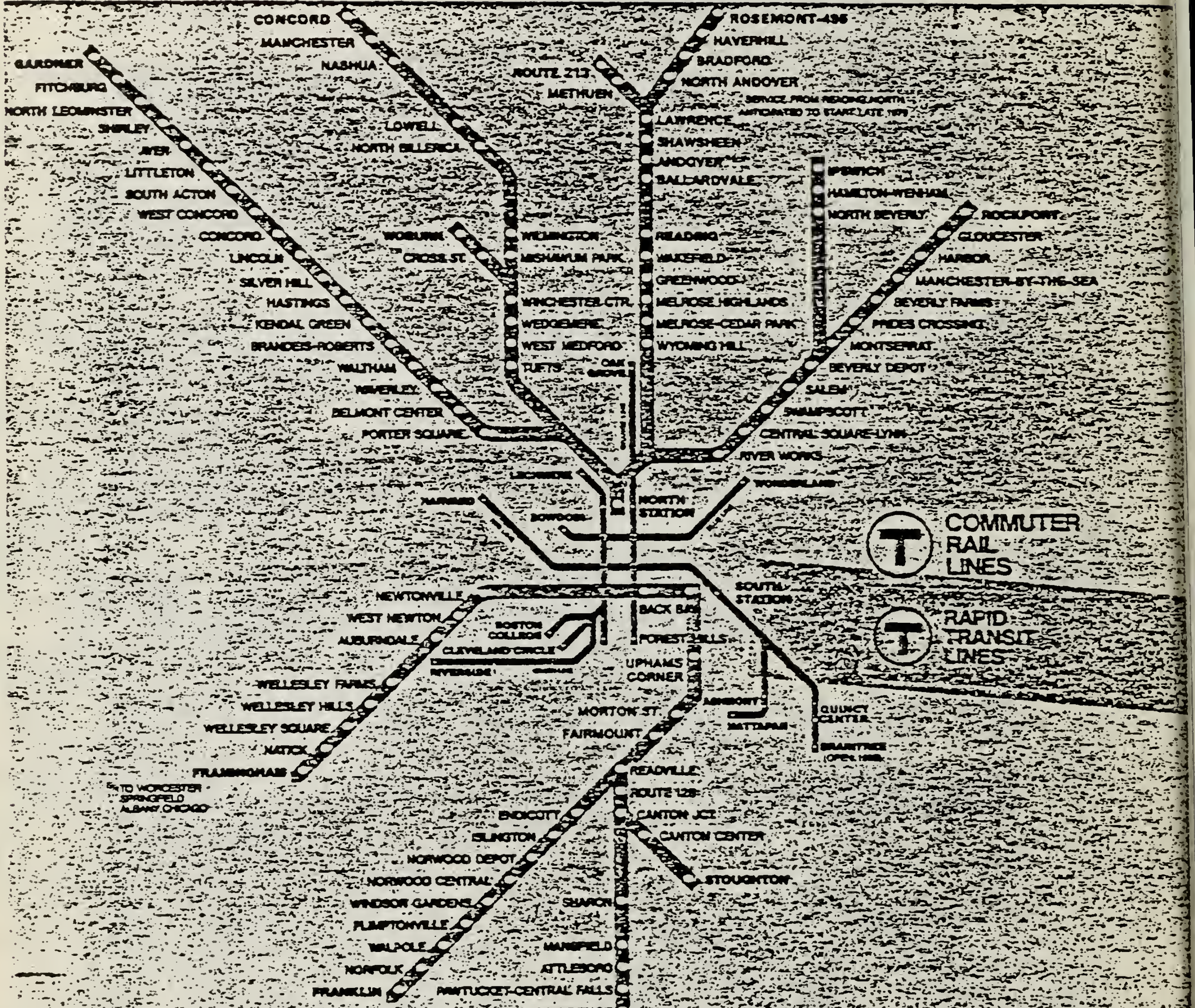
In addition to the MBTA's subway, bus and train service is the commuter boat service available for residents living on Boston's south shore. The service is operated year round by the Bay State Spray and Provincetown Steamship Company.

The Department of Transportation sponsored carpooling concept Caravan is available to those who live in areas not serviced by the MBTA. Caravan match people who live and work in the same areas. Participants are issued a van for which they are responsible for fuel, maintenance and insurance.

Other local transit authorities and private carriers serve the area to assist commuters in reaching their destinations.

Further information on the area's transportation system can be obtained from the Bureau of Transportation's Metropolitan Area Planning Council.

Map 3


CONCORD
MANCHESTER
NASHUA
GARDNER
FITCHBURG
NORTH LEOMINSTER
SHIRLEY
AYER
LITTLETON
SOUTH ACTON
WEST CONCORD
CONCORD
LINCOLN
SILVER HILL
HASTINGS
KENDAL GREEN
BRANDEIS-ROBERTS
WALTHAM
WAVERLEY
BELMONT CENTER
PORTER SQUARE
LOWELL
NORTH BILLERICA
WOBURN
CROSS ST.
WILMINGTON
MISHAWUM PARK
WINCHESTER CTR.
WEDGEMERE
WEST MEDFORD
TUFTS
OAK GROVE
ROUTE 213
METHUEN
ROSEMONT-495
HAVERHILL
BRADFORD
NORTH ANDOVER
SERVICE FROM READING NORTH ANTICIPATED TO START LATE 1979
LAWRENCE
SHAWSHEEN
ANDOVER
BALLARDVALE
READING
WAKEFIELD
GREENWOOD
MELROSE HIGHLANDS
MELROSE-CEDAR PARK
WYOMING HILL
IPSWICH
HAMILTON-WENHAM
NORTH BEVERLY
ROCKPORT
GLOUCESTER
HARBOR
MANCHESTER-BY-THE-SEA
BEVERLY FARMS
PRIDES CROSSING
MONTSERRAT
BEVERLY DEPOT
SALEM
SWAMPSCOTT
CENTRAL SQUARE-LYNN
RIVER WORKS
LECHMERE
WONDERLAND
HARVARD
BOWDOIN
NORTH STATION
COMMUTER RAIL LINES
NEWTONVILLE
WEST NEWTON
AUBURNDALE
BOSTON COLLEGE
CLEVELAND CIRCLE
RIVERSIDE
SOUTH STATION
BACK BAY
FOREST HILLS
RAPID TRANSIT LINES
UPHAMS CORNER
WELLESLEY FARMS
WELLESLEY HILLS
WELLESLEY SQUARE
NATICK
FRAMINGHAM
TO WORCESTER SPRINGFIELD ALBANY CHICAGO
ASHMONT
MATTAPAN
QUINCY CENTER
BRAINTREE (OPEN 1980)
MORTON ST.
FAIRMOUNT
READVILLE
ROUTE 128
CANTON JCT.
CANTON CENTER
STOUGHTON
ENDICOTT
ISLINGTON
NORWOOD DEPOT
NORWOOD CENTRAL
WINDSOR GARDENS
PLIMPTONVILLE
WALPOLE
NORFOLK
FRANKLIN
SHARON
MANSFIELD
ATTLEBORO
PAWTUCKET-CENTRAL FALLS
PROVIDENCE
TO NEW YORK WASHINGTON
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B. Economic Assumptions for the Boston SMSA Fiscal Year 1983 (FY 83)

The Boston SMSA is expected to resume employment growth during FY 1983. Economic conditions are not expected to stabilize in the near future as the economy adjusts to; budget cuts at the federal, state, and local levels; changes in the tax structure and high deficits; and the added burden of the current recession that has expanded in length and scope to include Europe and Japan. This quandary makes it difficult for businesses to plan for the future with any degree of assurance. The projected unemployment rate for FY 1983 is 6.5 percent for the Boston SMSA. To some degree it is difficult to project unemployment during a period of rapid economic change. The projections contained in this report are based on data collected in May 1982.

Decreases in employment are expected, however, these reductions should not be as great as in FY 1982. Continued drops in some sectors may persist through the first half of FY 83, particularly in industries closely associated with the automobile and steel industries and export oriented. Industries that are defense related or "high technology" in nature should expect some growth. Such industries have reached their trough in employment, thus redefining employment growth levels. Therefore, growth in employment might commence in the second half of FY 1983 by gradually replacing employment losses as business activity increases.

The consumer purchasing power in the Boston SMSA is expected to decrease as the consumer price index creeps upward. The Table and Chart on pages 18 and 19 illustrates the declining purchasing power of the dollar over the past decade.

Inflation for the area is expected to increase but at a slower rate than during FY 1982. Borrowing costs are expected to abate in early FY 1983 but increase slightly by mid FY 1983. Interest rates are expected to remain in double digits, continuing the recessionary pressure on the domestic new and existing home markets. Commercial construction is expected to continue at current levels, with the stimula of MIFA loans and UDAG and CDBG grants.

Defense contracts in the area are expected to increase as the federal government continues with the largest defense build up since World War II. The Boston SMSA receives over 80 percent of the total dollar value of military prime contracts awarded to the state. This share is expected to remain steady although there may be an increase in dollar value. The defense contracts will continue to be a major factor in bolstering the SMSA's economy. Automation may cut into projected employment growth.

The average weekly wage of covered employment is expected to increase in FY 1983 as inflationary pressures continue.

Total exports for the Boston SMSA are expected to remain at current levels. However, should economic conditions improve in the European Common Market countries it would have a direct positive effect on the SMSA.

ASSUMPTIONS AND PROJECTIONS FOR THE ECONOMY

COMMONWEALTH OF MASSACHUSETTS

FEDERAL FISCAL YEAR 1983 (FFY'83)

The Job Market Research staff of the Division of Employment Security gathers data, analyzes and reports on changes in the state's employment and unemployment situation. Even utilizing the most current data available together with computer models of the state and national economies, it is difficult to project future economic conditions. Forecasting is especially difficult during times of rapid change, such as we have been experiencing. The economic forecasts presented in this report are based on data available at the end of May, 1982.

1. EMPLOYMENT

Total employment in Massachusetts, as reported in the Current Population Statistics (CPS) series, is expected to average 2,794,300 during FFY'83, an increase of about 19,000 from FFY'82.

Nonagricultural wage and salary jobs, reported in the Current Employment Statistics series (CES-790) is expected to average 2,659,000 an increase of over 25,000 jobs from FFY'82 to FFY'83.

2. UNEMPLOYMENT

We project that Massachusetts unemployment rate will average 7.5 percent during FFY'83, down from 7.7 percent in FFY'82, and about one and one-half percentage points below the national average of 9.0 percent in FFY'83.

	MASSACHUSETTS				U. S.
	Labor Force (in 000's)	Employment (in 000's)	Unemployment (in 000's)	Unemployment Rate (%)	Unemployment Rate (%)
FFY '81	2935.1	2761.9	173.2	5.9	7.4
FFY '82	3007.0	2775.5	231.5	7.7	9.1
FFY '83	3021.6	2794.3	227.3	7.5	9.0

Table 4

MASSACHUSETTS

PROJECTED EMPLOYMENT BY INDUSTRY GROUP

Industry	Employment (in 000's)		
	FFY 1981 (Actual)	FFY 1982 (Projected)	FFY 1983 (Projected)
TOTAL NONAGRICULTURAL EMPLOYMENT	2656.8	2633.6	2659.3
Manufacturing - Total	668.0	646.0	647.5
Durable Goods	410.1	398.6	401.5
Nondurable Goods	257.9	247.8	246.0
Construction	78.0	80.1	80.7
Transportation, Communications and Public Utilities	120.3	118.1	117.7
Wholesale and Retail Trade	574.6	578.1	587.7
Finance, Insurance and Real Estate	162.5	166.4	169.5
Services	656.8	673.4	690.0
Government	396.6	371.1	366.2
Federal	57.7	56.3	56.2
State	97.8	94.5	92.4
Local	241.2	220.3	217.6

Prepared by: Job Market Research
July, 1982

MASS/ AMHERST LIBRARY

Table 5
Consumer Price Index for all Urban Consumers
Boston Area

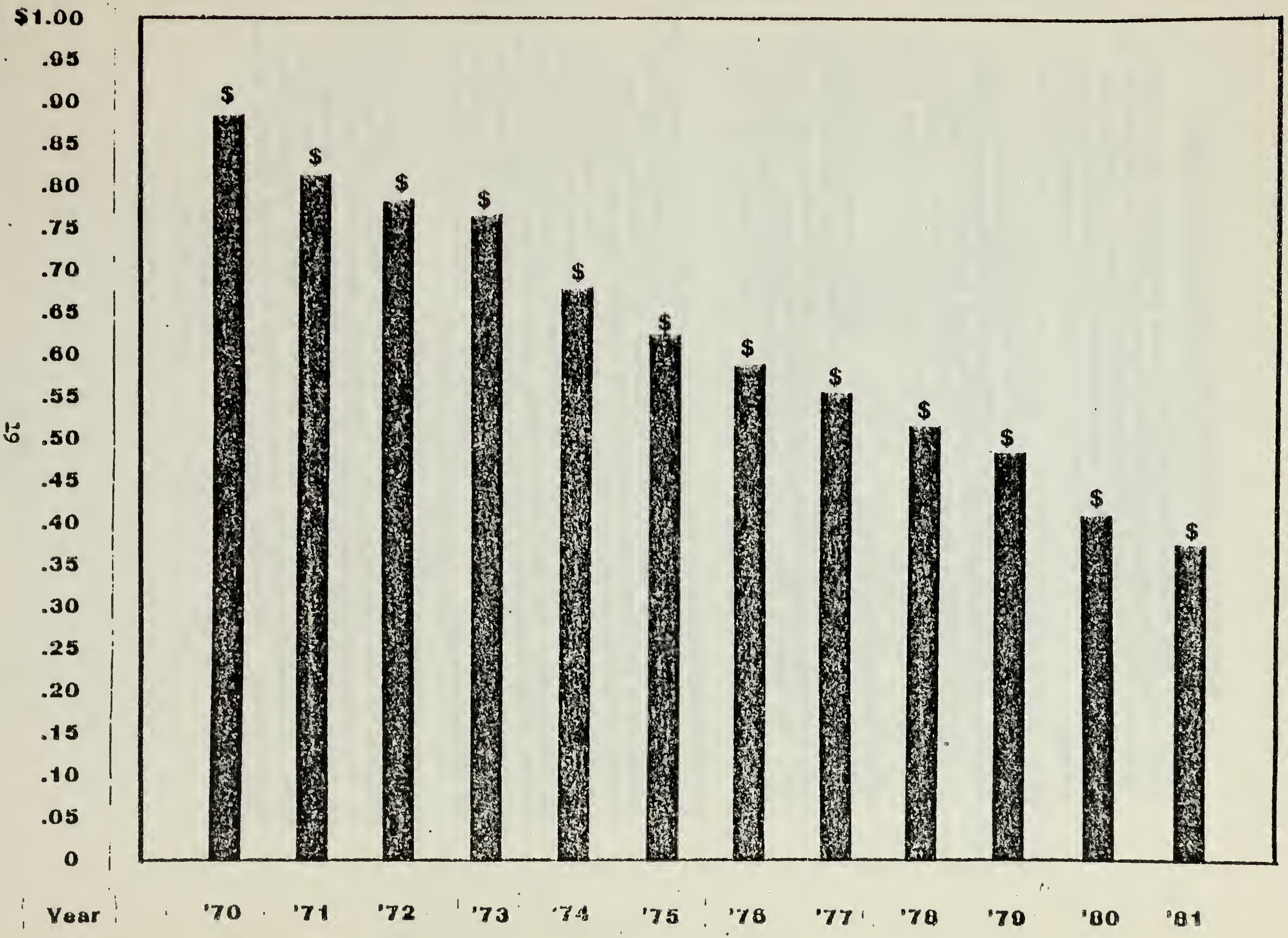
Item	Index Jan. 1981*	Index Jan. 1982*	Percent Change Jan. 1981-82
ALL ITEMS	256.4	274.0	6.9
Food	260.7	263.9	1.2
At Home	258.1	262.1	1.5
Away From Home	269.8	271.7	0.7
Housing	269.3	288.8	7.2
Rent, Residential	209.5	237.4	13.3
Home Ownership	291.6	305.5	4.8
Fuels	448.5	481.4	7.3
Oil, Coal, Bottled Gas	666.5	739.2	10.9
Gas (Piped), Electricity	292.9	300.2	2.5
Apparel and Upkeep	194.9	198.8	2.0
Transportation	285.9	318.4	11.4
Medical Care	271.0	299.9	10.7
Entertainment	217.3	231.9	6.7

Source: Bureau of Labor Statistics, U.S.Dept. of Labor. February 1982

* 1967 = 100

Chart 1

Purchasing Power of the Dollar, 1970-1981*
U.S. City Average



Source: Bureau of Labor Statistics, U.S. Dept. of Labor.
Consumer Price Index, All Urban Consumers

C. Population and Labor Force Characteristics and Trends

The Boston SMSA's population and labor force projections for FY 1983 were developed by the Lawrence Berkely Laboratory at the University of California for the United States Department of Labor. Current projections should not be used in conjunction with or compared to prior years since previous projections are not adjusted for corrections or updates.

The Boston SMSA's population projections for FY 1983 indicate a population of 2,759,798 representing a decrease of 4.4 percent since 1970. Both the white male and female populations are projected to decline by 9.4 and 8.3 percent respectively. Considerable gains in population are noted for nonwhite males (77.6 percent) and nonwhite females (72.0 percent).

Total labor force projections show a 17.6 percent increase since 1970, even though total population is predicted to decline in the same period. White male labor force projections reflect a slight increase of 1.0 percent, with white females showing a more substantial growth of 29.3 percent. The nonwhite labor force projections reflect the sizeable population growth in this sector with increases of 120.8 percent for males, and 133.2 percent for females.

The projected changes in population and labor force for 1970 through 1983 are indications of certain demographic changes which occurred over the period in the Boston SMSA. Two major factors in the decrease of population are a low birth rate combined with considerable out-migration caused by the two recessions during the seventies. Also contributing to the decline are losses of population in Boston and other central cities within the Boston SMSA, as people seek different lifestyles in suburban and rural areas. The population decline in the SMSA was limited only to whites, while the nonwhite population increased substantially over the same period. In 1970, nonwhites accounted for 5.3 percent of the population. In Fy 1983, nonwhites are projected to comprise 9.7 percent of the SMSA population.

The most notable trend in the labor force projections is the significant increase in the labor force participation rate of females. This rate is projected to rise from 45.0 to 57.1 percent for white females, and 48.0 to 57.3 percent for nonwhite females. Some reasons for the upswing in the female participation rate have included: the rise of the two income household to keep up with the soaring cost of living; an uptrend in the number of households headed by women as divorce rates have climbed, and more women choosing to postpone marriage; and as a direct result of affirmative action policies to provide equal opportunity for females in seeking employment.

Table 6
Population and Labor Force Characteristics
1970 and Projected Fiscal Year 1983
Boston SMSA

Category	1970			Projected Fiscal Year 1983		
	Population	Labor Force	LFPR*	Population	Labor Force	LFPR*
TOTAL	2,887,510	1,228,058	59.9	2,759,798	1,443,952	65.9
White Male	1,297,722	697,438	77.4	1,175,590	704,162	76.3
White Female	1,436,963	475,488	45.0	1,317,296	614,920	57.1
Nonwhite Male	71,617	30,118	70.7	127,220	66,504	73.8
Nonwhite Female	81,208	25,031	48.0	139,692	58,366	57.3

* Labor Force Participation Rate

Table 7
Population and Labor Force
Percent Change 1970-1983
Boston SMSA

Category	Population	Labor Force
TOTAL	- 4.4	17.6
White Male	- 9.4	1.0
White Female	- 8.3	29.3
Nonwhite Male	77.6	120.8
Nonwhite Female	72.0	133.2

III. Employment Developments and Outlook by Industry

A. Industrial Development and Review

1. Boston SMSA: The Boston SMSA's nonagricultural employment reached its highest recorded levels during 1981 although the growth rate was under one percent at 0.1 of one percent. This is the slowest rate of growth since 1973 when it was 0.2 of one percent. The slowdown is primarily due to the current national recession beginning in 1981, and to cuts in federal, state and local government spending. This growth however slight, indicates that the Boston SMSA is faring better than the nation during this recessionary period. Employment estimates for calendar year (cy) 1982 indicate a minus growth rate of approximately 0.6 of one percent, and a positive growth rate of just over one percent for cy 1983. Table 8 provides employment by industry from 1972 -1981 and Table 9 monthly information for 1981. Also included in this section on Industrial Development are Tables 10 and 11 for the Boston SMSA on nonagricultural employment by industry from 1972-1981 with percentage changes for selected years.

Manufacturing employment decreased by 0.5 of a percentage point during 1981. This is the first recorded drop in manufacturing employment since 1975. The 293,400 employed in manufacturing represent 19.9 percent of total nonagricultural employment in the Boston SMSA. Durable goods with 68.1 percent of manufacturing employment decreased slightly by 0.1 of a percentage point, as did nondurable goods by 1.3 percent.

Within the durable goods sector, all industries decreased with the exception of Nonelectrical Machinery and Electrical Machinery. These two industries comprise 3.3 and 3.7 percent of total nonagricultural employment respectively. Both industries have remained constant throughout 1981 with only seasonal fluctuations. Since 1972 Nonelectrical Machinery has had a phenomenal growth rate of 50.3 percent. Its zenith of 49,700 workers was reached in July 1981 and its nadir of 49,000 employed occurred in September 1981. Electrical Machinery increased 1.1 percent in 1981 displaying continuous growth. A decrease in Primary Metals of 2.5 percent is noted for 1981, this sector consists of 0.3 of a percentage point of total nonfarm employment. Fabricated Metals with 1.3 percent of nonagricultural employment, declined in 1981 by 1.5 percent from 1980. Transportation Equipment's share of nonagricultural employment was 1.5 percent but had the most notable drop (8.5 percent) of all manufacturing industries. The peak to trough employment occurred from February to September 1981 with employment once again starting to increase in October 1981. Instruments with 3 percent of nonagricultural employment increased 2 percent from 1980. This industry has also exhibited a fantastic growth rate of 41.6 percent from 1972 to 1981, contributing 13,200 workers to the Boston SMSA during that period.

Nondurable goods had 6.3 percent of total nonagricultural employment, declining from its 1972 level of 8.8 percent. Nondurable goods employment has continued to decline during the past nine years.

Nonmanufacturing comprised 80 percent of total nonfarm employment in the Boston SMSA during 1981. This sector has increased employment steadily from 1976 and has increased 18.7 percent since 1972. This sector had its smallest increase to date from 1980 to 1981 with just 0.3 of a percentage point. The slow growth was primarily due to the Government sectors decrease of 7.4 percent. The drop in government employment was due to the implementation of federal budget cuts in spending and the combined affects of Proposition 2½ at the state and local levels. Decreases in the government sector are expected to continue through 1982. Contract Construction with an over-the-year increase of 0.2 of a percentage point had a 2.9 percent share of total nonagricultural employment. This sector, although the smallest component of nonmanufacturing reflects the ups and downs of the business cycle more directly than any other. This industry peaked in 1972 and bottomed out in 1977. Within the Boston SMSA this industry is expected to maintain employment levels throughout 1982. Transportation, Communications and Utilities although historically increasing, a drop of 2.6 percent was recorded for 1981. The decrease is due in part to the slump in the automobile industry. Employment levels are expected to remain low in this industry. Wholesale and Retail Trade remained constant over the year. This industry is the second largest single industry in employment totals in the Boston SMSA with 21.7 percent of total nonagricultural employment. Finance, Insurance and Real Estate employment increased 2.9 percent the slowest growth rate recorded over the past 3 years. Services, Mining and Miscellaneous registered the highest growth rate of any industrial sector in 1981 with 4.2 percent, although this growth is equal to that of 1979 and 1980 it was a substantial gain. This industry is also the largest in employment with 29.7 percent share of total nonagricultural employment. This sector has increased 57.3 percent since 1972 which was also the greatest growth rate of any other industry within the Boston SMSA. This high growth was due to the expansion of service type industries particularly hospitals, hospital and medical support services, and business support services. The service sector is expected to continue increasing employment in both 1982 and 1983.

Table 8
Annual Average
Nonagricultural Wage and Salary Employment by Industry
1972-1981* Boston SMSA
(in thousands)

Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Nonagricultural Total	1268.6	1296.9	1299.5	1259.9	1268.2	1312.8	1394.8	1443.5	1474.1	1476.1
Manufacturing Total	272.5	277.1	276.4	251.6	257.0	268.6	282.4	291.9	294.9	293.4
Durable Goods	160.6	169.1	171.9	155.9	160.1	172.4	186.1	196.5	200.2	199.9
Primary Metals	3.2	3.4	3.7	3.2	3.2	3.3	3.4	3.7	4.0	3.9
Fabricated Metals	19.8	21.7	23.0	19.7	19.5	20.0	20.0	20.1	20.0	19.7
Machinery (except electrical)	32.8	35.1	36.9	32.4	32.8	35.1	38.5	44.3	48.5	49.3
Electrical Machinery	41.3	43.8	44.8	41.0	43.5	47.2	50.1	53.1	54.0	54.6
Transportation Equipment	23.6	22.0	18.2	19.1	19.5	20.9	23.6	24.5	23.5	21.5
Instruments	31.7	34.8	37.0	33.9	35.0	39.1	43.8	44.4	44.0	44.9
Other Durable Goods	8.2	8.3	8.3	6.6	6.6	6.8	6.7	6.4	6.2	6.1
Nondurable Goods Total	111.9	108.0	104.5	95.7	96.9	96.2	96.3	95.4	94.7	93.4
Food and Kindred Products	19.8	18.6	17.7	16.7	17.1	16.4	15.1	14.3	14.0	12.7
Textile Mill Products	5.1	4.9	4.8	4.3	4.0	3.8	3.7	3.5	3.7	3.7
Apparel	15.4	14.8	14.3	13.3	13.5	13.4	13.8	12.4	12.7	12.6
Paper and Allied Products	10.8	10.9	10.6	8.7	9.5	9.5	9.4	9.7	8.9	8.3
Printing and Publishing	24.5	23.5	22.8	22.5	22.5	23.2	23.6	24.7	24.7	25.0
Chemicals and Allied Products	8.3	8.7	9.1	8.6	8.5	8.6	8.9	9.0	9.0	9.2
Rubber and Plastics Products	11.0	11.1	10.9	9.3	9.2	8.9	9.5	9.7	9.9	9.7
Leather and Leather Products	10.8	9.4	8.8	7.4	7.6	7.1	7.3	6.6	6.2	6.0
Other Nondurable Goods	6.2	6.1	5.5	4.9	5.0	5.3	5.0	5.5	5.6	6.2
Nonmanufacturing Total	996.1	1019.8	1023.1	1008.2	1011.2	1044.2	1112.4	1151.6	1179.2	1182.7
Contract Construction	59.6	58.8	55.5	46.8	41.5	35.7	38.9	41.1	43.0	43.1
Transportation, Communications & Utilities	77.7	78.8	75.9	69.7	68.1	68.2	69.6	71.7	73.1	71.2
Wholesale & Retail Trade	297.1	300.0	298.1	292.9	292.1	294.9	304.2	314.1	320.0	320.0
Finance, Insurance and Real Estate	93.3	95.1	95.0	92.8	92.7	97.4	100.0	103.8	109.4	112.6
Service, Mining and Miscellaneous	278.3	296.2	308.9	312.6	322.4	342.8	374.1	403.1	420.1	437.9
Government	190.1	190.0	189.7	193.4	194.4	205.2	224.7	217.8	213.6	197.9

Source: BLS-790 Massachusetts Division of Employment Security

* 1972-1973 are on 1974 Benchmark; 1974 is on 1975 Benchmark; 1975 is on 1976 Benchmark; 1976 on 1977 Benchmark; 1977 on 1978 Benchmark; 1978-1979 on 1980 Benchmark; 1980-1981 on 1981 Benchmark.

Table 9
Nonagricultural Wage and Salary Employment by Industry
Boston SMSA (in thousands)
1981

Industry Title	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
Nonagricultural - Total	1460.2	1462.7	1474.6	1489.6	1491.1	1491.1	1451.1	1462.3	1461.9	1481.2	1492.6	1494.5	1476.1
Manufacturing - Total	292.9	292.6	293.3	294.0	294.4	296.0	290.0	291.4	291.3	294.8	295.3	293.9	293.4
Durable Goods - Total	200.2	199.9	200.6	200.9	200.4	200.1	197.5	197.7	197.6	201.1	201.5	201.0	199.9
Primary Metals	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.8	4.0	3.9	3.8	3.8	3.9
Fabricated Metals	19.8	19.7	19.9	19.9	19.8	19.6	19.2	19.6	19.5	19.8	19.7	19.6	19.7
Nonelectrical Machinery	49.2	49.2	49.4	49.5	49.2	49.4	49.7	49.3	49.0	49.2	49.5	49.5	49.3
Electrical Machinery	54.0	54.0	54.4	54.5	54.7	55.4	54.2	54.3	54.6	54.9	55.0	54.9	54.6
Transportation Equipment	23.0	22.7	22.5	22.5	22.1	22.2	19.0	19.0	18.9	21.9	22.1	22.2	21.5
Instruments	44.5	44.6	44.6	44.4	44.4	45.0	45.4	45.4	45.3	45.2	45.2	45.1	44.9
Other Durable Goods	5.8	5.8	5.9	6.1	6.3	6.6	6.1	6.3	6.3	6.2	6.2	5.9	6.1
Nondurable Goods - Total	92.7	92.7	92.7	93.1	94.0	95.9	92.5	93.7	93.7	93.7	93.8	92.9	93.4
Food & Kindred Products	13.2	12.7	12.3	12.5	12.7	13.0	12.8	12.7	12.7	12.5	12.6	12.4	12.7
Textiles	3.7	3.6	3.7	3.7	3.7	3.8	3.7	3.8	3.9	3.7	3.7	3.7	3.7
Apparel	12.2	12.5	12.6	12.7	12.9	13.2	12.6	12.9	12.7	12.4	12.4	12.2	12.6
Paper & Paper Products	8.2	8.1	8.2	8.2	8.3	8.4	8.3	8.4	8.5	8.6	8.5	8.4	8.3
Printing & Publishing	25.0	25.3	25.3	25.3	25.2	25.5	24.5	24.4	24.6	24.9	24.9	25.0	25.0
Chemicals & Allied Products	9.1	9.1	9.1	9.0	9.3	9.5	9.3	9.4	9.1	9.1	9.2	9.1	9.2
Rubber & Plastics Products	9.7	9.7	9.8	9.8	9.8	9.9	9.5	9.6	9.7	9.8	9.8	9.7	9.7
Leather & Leather Products	5.9	6.0	5.9	6.0	6.0	6.2	5.5	6.1	6.0	6.2	6.2	6.1	6.0
Other Nondurables	5.7	5.7	5.8	5.9	6.1	6.4	6.3	6.4	6.5	6.5	6.5	6.3	6.2
Nonmanufacturing - Total	1167.3	1170.1	1181.3	1195.6	1196.7	1195.1	1161.1	1170.9	1170.6	1186.4	1197.3	1200.6	1182.8
Contract Construction	37.7	37.0	38.8	41.9	43.4	44.9	41.4	47.5	47.3	46.6	46.3	44.4	43.1
Transportation & Public Utilities	71.8	71.3	71.5	71.6	71.8	72.7	70.0	70.0	71.5	71.0	71.0	71.0	71.2
Wholesale & Retail Trade	316.5	312.6	314.8	318.9	321.9	325.0	313.7	314.2	321.3	320.7	326.8	333.6	320.1
Finance, Insurance, Real Estate	110.1	110.1	110.8	111.4	112.1	113.2	113.9	114.1	113.5	113.4	113.7	114.7	112.6
Services, Miscellaneous, Mining	424.4	430.3	437.7	446.3	413.1	435.1	427.7	432.1	433.0	447.3	449.1	448.2	437.9
Government -	206.8	208.8	207.7	205 5	204.4	204.2	194.4	193.0	184.0	187.4	190.4	188.7	197.9

Source: BLS-790   1981 Benchmark based on 1972 SIC Codes - Prepared June 1982

Table 10
Nonagricultural Wage and Salary Employment By Major Industrial Groups, Projections for 1982 and 1983
Boston SMSA
(in thousands)

	Actual*		Projected#	
Industry Title	1980	1981	1982	1983
Nonagricultural Total	1,474.1	1,476.1	1,466.5	1,483.4
Manufacturing Total	294.9	293.4	286.4	287.3
Durable Goods	200.2	199.9	195.1	196.7
Primary Metals	4.0	3.9	3.6	3.5
Fabricated Metals	20.0	19.7	18.6	18.4
Machinery (ex. electrical)	48.5	49.3	47.5	47.1
Electrical Machinery	54.0	54.6	54.9	57.4
Transportation Equipment	23.5	21.5	21.1	21.5
Instruments	44.0	44.9	43.4	42.9
Other Durable Goods	6.2	6.1	6.0	5.9
Nondurable Goods	94.7	93.4	91.3	90.6
Food & Kindred Products	14.0	12.7	12.6	12.5
Textile Mill Products	3.7	3.7	3.3	3.2
Apparel	12.7	12.6	11.9	11.3
Paper & Allied Products	8.9	8.3	8.0	8.0
Printing & Publishing	24.7	25.0	25.1	25.1
Chemical & Allied Products	9.0	9.2	9.1	9.2
Rubber & Plastics Products	9.9	9.7	9.5	9.7
Leather & Leather Products	6.2	6.0	5.8	5.7
Other Nondurable Products	5.6	6.2	6.0	5.9
Nonmanufacturing Total	1,179.2	1,182.7	1,180.1	1,196.1
Constract Construction	43.0	43.1	38.9	39.1
Transportation, Communications and Utilities	73.1	71.2	69.9	69.7
Wholesale & Retail Trade	320.0	320.0	321.9	327.2
Finance, Insurance & Real Estate	109.4	112.6	115.3	117.4
Services, Mining, & Miscellaneous	420.1	437.9	448.9	459.9
Government	213.6	197.9	185.2	182.8

Source: BLS 790

* 1980 and 1981 are on a 1981 Benchmark
# Prepared August 1982

Table 11
Nonagricultural Wage and Salary Employment
Percent Changes by Industry#
Boston SMSA*

Industrial Title	1972-1981	1978-1979	1979-1980	1980-1981
Nonagricultural Total	16.4	3.5	2.1	0.1
Manufacturing Total	7.7	3.4	1.0	- 0.5
Durable Goods	24.5	5.6	1.9	- 0.1
Primary Metals	21.9	8.8	8.1	- 2.5
Fabricated Metals	- 0.5	0.5	-0.5	- 1.5
Machinery (exc. elec.)	50.3	15.1	9.5	1.6
Electrical Machinery	32.2	6.0	1.7	1.1
Transportation Equip.	- 8.9	3.8	-4.1	- 8.5
Instruments	41.6	1.4	-0.9	- 2.0
Other Durable Goods	-25.6	4.5	-3.1	- 1.6
Nondurable Goods	-16.5	- 0.9	-0.7	- 1.4
Food & Kindred Prod.	-35.9	- 5.3	-2.1	- 9.3
Textile Mill Products	-27.5	- 5.4	5.7	0.0
Apparel	-18.2	-10.1	2.4	- 0.8
Paper & Allied Prod.	-23.1	3.1	8.2	- 6.7
Printing & Publishing	- 2.0	4.5	0.0	1.2
Chemicals & Allied Prod.	-10.8	1.1	0.0	- 2.2
Rubber & Plastic Prod.	-11.8	2.1	2.1	- 2.0
Leather & Leather Prod.	-44.4	- 9.6	- 6.1	- 3.2
Other Nondurable Prod.	0.0	- 9.1	- 1.8	10.7
Nonmanufacturing Total	18.7	3.5	2.4	0.3
Contract Construction	-27.7	5.7	4.6	0.2
Transp., Comm., & Util.	- 8.4	3.0	1.9	2.6
Wholesale & Retail Trade	7.7	3.2	1.9	0.0
Fin., Ins., & Real Estate	20.7	3.8	5.4	2.9
Service, Mining & Misc.	57.3	7.8	4.2	4.2
Government	4.1	- 3.1	- 1.9	- 7.4

Source: BLS 790

* 1972 on 1974 Benchmark; 1978-1979 on a 1980 Benchmark; 1980-1981 on a 1981 Benchmark.

# 1972 SIC Codes

Chart 2

Industry Employment
Boston SMSA - 1981
(In 000's)

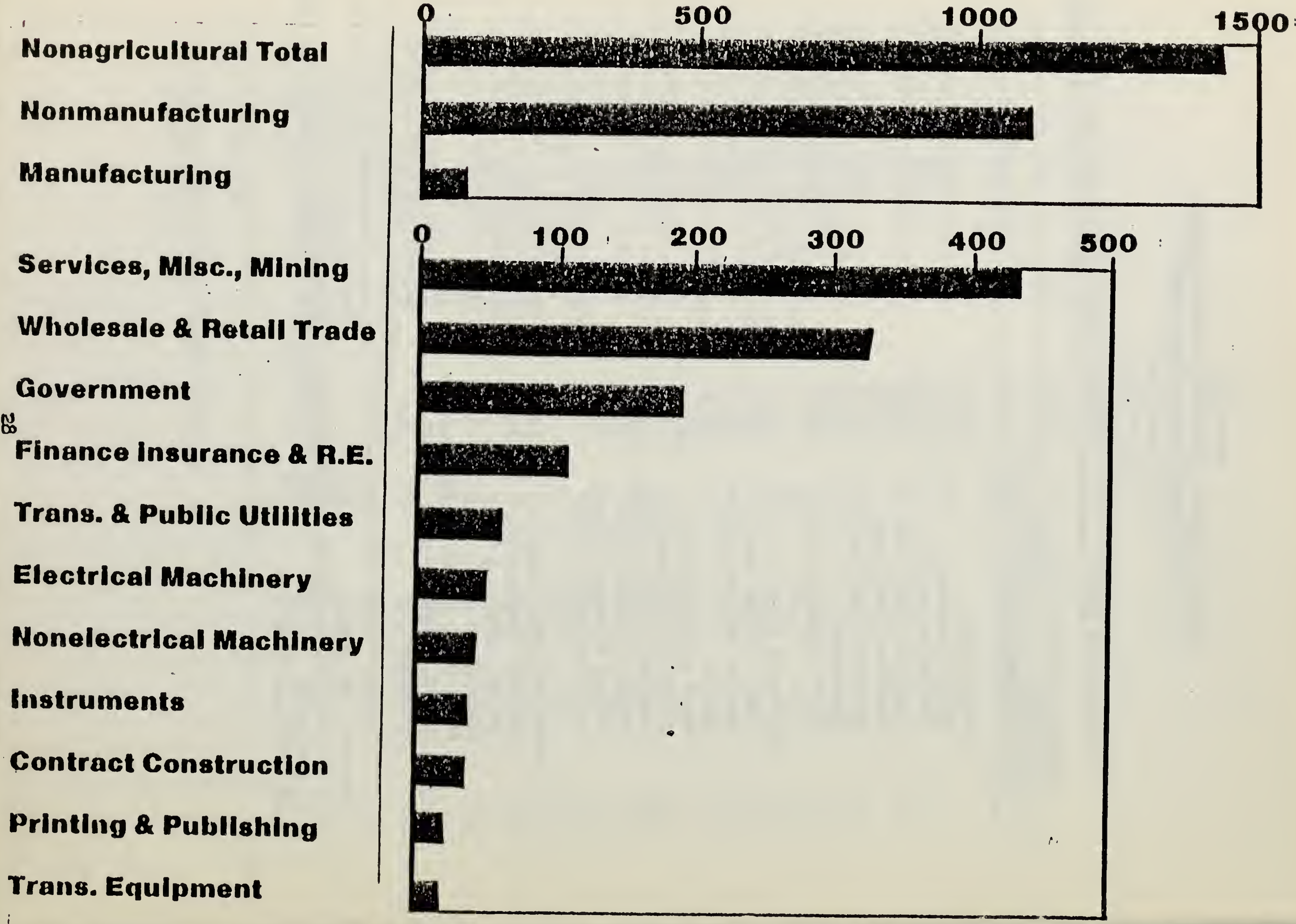


Table 12
Industry Employment as Percent of Nonagricultural Wage and Salary Employment
Boston SMSA
1981*

Industry Title	Percentage
Nonagricultural - Total	100.0
Manufacturing-Total	19.9
Durable Goods - Total	13.5
Primary Metals	0.3
Fabricated Metals	1.3
Machinery (exc. elec.)	3.3
Electrical Machinery	3.7
Transportation Equipment	1.5
Instruments	3.0
Other Durable Goods	0.4
Nondurable Goods	6.3
Food & Kindred Products	0.9
Textile Mill Products	0.3
Apparel	0.9
Paper & Allied Products	0.6
Printing & Publishing	1.7
Chemicals & Allied Products	0.6
Rubber & Plastics Products	0.7
Leather & Leather Products	0.4
Other Nondurable Goods	0.4
Nonmanufacturing - Total	80.1
Contract Construction	2.9
Transp., Comm., & Utilities	4.8
Wholesale & Retail Trade	21.7
Finance, Ins., & Real Estate	7.6
Services, Mining & Misc.	29.7
Government	13.4

* 1981 Benchmark based on 1972 SIC Codes

Source: BLS 790

2. Marlborough LMA: The data used to analyze industrial growth in the Marlborough LMA is from the Employment and Wages Report (ES-202). This report provides information on total covered employment according to industrial classification.

Information on private sector employment and wages is subject to certain restrictions. The intent of these restrictions is to protect the confidentiality of all data reported by individual employers. Summary level data is confidential if there are less than three reporting units in the total, or if one unit accounts for 80 percent or more of the industrial total. Confidential items are identified with a "C" in this publication.

The data in Table 13 contains information on employment by industry for each month in 1981 as well as the annual average employment. Table 14 consists of the annual average employment of the years 1980 and 1981 with percentage changes.

Total employment for the Marlborough LMA was 38,890 for 1981, a decline of 1,021 from the 39,111 of 1980. This decrease of 2.6 percent was mostly in manufacturing. Total Manufacturing with a 66.7 percent share of total nonagricultural employment, decreased over the year by 4.6 percent. Fabricated Metals dropped 20.7 percent during 1981, as employment decreases continued throughout the year. A comparison of first quarter 1981 totals with fourth quarter 1981 statistics shows a decrease of 13.8 percent. Nonelectric Machinery recorded a decrease in employment of 2.1 percent or 58 workers and represents 17 percent of total nonfarm employment. This industry is expected to increase employment once the national recession abates. The Instruments sector rose in employment by 5.8 percent and is also expected to increase once the economy turns around.

Industries in the nondurable goods sector have not fared well during the current recession either. Paper and Allied Products decreased 5.3 percent. Printing and Publishing dropped by 1.2 percent. Rubber and Plastics Products posted the largest single decrease of any industry with a 27.2 percent drop. Leather and Leather Products was the only other industry besides chemicals in the nondurable goods sector to record an increase (2.6%).

Within nonmanufacturing which comprises 33.3 percent of total nonagricultural employment, Contract Construction showed an over the year employment decrease of 3 percent. Transportation, Communications, and Utilities also dropped by 5.9 percent. Wholesale and Retail Trade with a 12.8 percent share of nonfarm employment is the third largest industry in the Marlborough LMA, and had a growth rate of 6 percent in 1981. Finance, Insurance and Real Estate grew by 7.2 percent recording the highest percentage increase of all industries. Services also rose in employment from 1980 to 1981 by 5.3

Table 13
Nonagricultural Employment in Selected Industries
Marlborough LMA
1981
By Month

Industry Division and Category	Annual Average	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total Employment	38890	37636	37986	38423	38297	38824	39598	38227	37970	39342	40108	40014	40258
Manufacturing Total	25941	24914	25347	25607	25288	25477	26021	25904	25940	26116	26723	26894	27029
Durable Goods													
Primary Metals	C	C	C	C	C	C	C	C	C	C	C	C	C
Fabricated Metals	804	888	895	905	830	830	829	711	734	708	777	775	764
Machinery (exc. Electrical)	6720	6677	6775	6818	7444	7414	6862	6809	6823	6836	6027	6084	6077
Electrical Machinery	C	C	C	C	C	C	C	C	C	C	C	C	C
Transportation Equipment	C	C	C	C	C	C	C	C	C	C	C	C	C
Instruments	623	568	540	544	637	642	686	662	660	665	633	620	622
Nondurable Goods													
Food and Kindred Products	C	C	C	C	C	C	C	C	C	C	C	C	C
Textile Mill Products	C	C	C	C	C	C	C	C	C	C	C	C	C
Apparel	C	C	C	C	C	C	C	C	C	C	C	C	C
Paper and Allied Products	301	308	317	313	288	288	286	302	322	306	911	294	277
Printing and Publishing	397	384	395	391	396	400	401	395	393	403	405	285	284
Chemicals and Allied Products	284	271	273	286	280	275	298	286	295	286	286	402	401
Rubber and Plastic Products	241	248	248	245	180	178	186	253	244	251	284	285 291	284 283
Leather and Leather Products	714	706	672	693	613	674	665	795	822	809	784	714	617
Nonmanufacturing Goods	12949	12722	12639	12816	13009	13347	13577	12323	12030	13226	13385	13120	13229
Contract Construction	567	412	417	473	584	595	594	614	656	636	653	617	600
Transportation, Communications and Utilities	902	886	896	894	886	894	927	900	907	913	919	906	900
Wholesale and Retail Trade	4990	4790	4729	4791	4976	5099	5222	5109	5028	5049	5025	4998	5069
Finance, Insurance & Real Estate	578	571	580	583	576	580	575	576	585	584	583	570	574
Services	3165	3169	3074	3108	3104	3216	3152	3251	3072	3347	3305	3105	3074
Government	2681	2849	2896	2930	2860	2886	3013	1773	1689	2615	2832	2869	2964

Source: Employment and Wages ES-202 1981
C = Confidential

Table 14
Annual Average
Nonagricultural Employment and Percent Change in Selected Industries
Marlborough LMA
1980-1981

Industry	1980	1981	Percent Change 1980-1981
Total Employment	39911	38890	- 2.6
Manufacturing Total	27197	25941	- 4.6
Durable Goods			
Primary Metals	C	C	--
Fabricated Metals	1014	804	-20.7
Machinery (exc. electrical)	6778	6720	- 2.1
Electrical Machinery	C	C	--
Transportation Equipment	C	C	--
Instruments	589	623	5.8
Nondurable Goods			
Food and Kindred Products	C	C	--
Textile Mill Products	C	C	--
Apparel	C	C	--
Paper and Allied Products	318	301	- 5.3
Printing and Publishing	402	397	- 1.2
Chemicals & Allied Products	268	284	6.0
Rubber & Plastic Products	331	241	-27.2
Leather & Leather Products	696	714	2.6
Nonmanufacturing	12714	12949	1.8
Contract Construction	594	576	- 3.0
Transportation, Communication and Utilities	959	902	- 5.9
Wholesale & Retail Trade	4708	4990	6.0
Finance, Insurance and Real Estate	539	578	7.2
Services	3007	3165	5.3
Government	2843	2681	- 5.7

Source: Employment and Wages ES-202

C= Confidential Information

percent and was the fourth largest industrial sector in the Marlborough LMA. This industry is expected to increase at a steady rate of growth throughout 1982. Government dropped in employment 5.7 percent. This decrease was due mainly to Proposition $2\frac{1}{2}$ and budgetary cuts of local and state government. Federal government budget cuts also affected this industry's employment.

Overall the Marlborough LMA has fared well during the current recession. Decreases in employment were expected, however, these reductions were not as great as anticipated. Continued drops in some sectors may persist throughout 1982, particularly within industries closely associated with the automobile and steel industries, or which export heavily. Industries that are defense-related or "high technology" in nature, can expect growth. Such industries have reached their trough in employment, thus, redefining growth employment levels. Therefore growth in employment might commence in early 1983 by gradually replacing employment losses.

3. Milford LMA: An analysis of the Milford LMA ES-202 data indicates that total nonagricultural employment dropped by 1.5 percent, or 161 workers in 1981. Comparing first quarter 1981 with fourth quarter 1981 shows an increase in employment of 2.5 percent, (see Tables 15 and 16).

Total Manufacturing employment decreased 0.9 of one percent over the year. Of those industries not marked "C" confidential, Fabricated Metals rose 9 percent during 1981. Nonelectrical Machinery, dropped 19.5 percent during 1981, the largest percentage decrease of all industries. Transportation decreased 4.5 percent and has shown a consistently diminishing employment through 1981.

In the Nondurable goods sector only one industry had data available for analysis because all other industrial data was confidential because of the limited number of firms in most industrial classifications. Printing and Publishing registered a decrease of 12.5 percent.

Nonmanufacturing's share of nonagricultural employment was 71.4 percent. Within this industrial group Contract Construction had an 8.5 percent employment decline over the year. Transportation, Communications and Utilities recorded an increase of 7 percent. Wholesale and Retail Trade with a 25.8 percent share of total nonfarm employment had an 8.7 percent growth during 1981. Finance, Insurance and Real Estate also rose by 3.0 percent. Services, the second largest industry with 17.9 percent of total nonfarm employment decreased by 5 percent over the year. Government employment dropped 10 percent due to governmental budget cuts. This reduction of government employment can be expected to continue.

Table 15
Nonagricultural Employment in Selected Industries
Milford LMA
1981
by Month

Industry Division and Category	Annual Average	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL EMPLOYMENT	10268	10138	10107	10178	10354	10543	10660	9820	9890	10351	10543	10372	10266
Manufacturing total	2939	3069	3053	3057	2880	2878	2885	2914	2911	2966	2967	2859	2827
Durable Goods Total													
Primary Metals	0	0	0	0	0	0	0	0	0	0	0	0	0
Fabricated Metals	168	169	172	177	177	167	170	163	163	161	165	163	165
Machinery (except electrical)	239	261	250	255	248	232	229	232	231	238	233	230	225
Electrical Machinery	C	C	C	C	C	C	C	C	C	C	C	C	C
Transportation Equipment	167	156	155	156	96	93	91	96	92	92	85	84	83
Instruments	C	C	C	C	C	C	C	C	C	C	C	C	C
Nondurable Goods													
Food and Kindred Products	C	C	C	C	C	C	C	C	C	C	C	C	C
Textile Mill Products	C	C	C	C	C	C	C	C	C	C	C	C	C
Apparel	C	C	C	C	C	C	C	C	C	C	C	C	C
Paper and Allied Products	0	0	0	0	0	0	0	0	0	0	0	0	0
Printing and Publishing	35	38	35	34	32	33	33	35	31	32	35	40	38
Chemicals and Allied Products	C	C	C	C	C	C	C	C	C	C	C	C	C
Rubber and Plastic Products	128	114	116	116	137	122	123	118	126	132	134	141	152
Leather and Leather Products	C	C	C	C	C	C	C	C	C	C	C	C	C
Nonmanufacturing Goods	7329	7069	7054	7121	7474	7665	7775	6935	6979	7385	7576	7513	7439
Contract Construction	359	276	261	280	322	363	396	398	399	411	424	397	377
Transportation, Communications and Utilities	598	589	598	605	601	626	627	601	595	605	576	580	568
Wholesale and Retail Trade	2654	2480	2476	2480	2637	2696	2736	2710	2677	2670	2804	2746	2737
Finance, Insurance and Real Estate	550	518	524	531	566	574	586	539	546	545	579	553	544
Services	1837	1796	1796	1823	1783	1811	1856	1811	1841	1877	1866	1902	1886
Government	1164	1334	1326	1305	1344	1364	1347	645	736	1086	1136	1160	1187

Source: Employment and Wages - ES-202
C = Confidential

Table 16
Annual Average
Nonagricultural Employment and Percent Change in Selected Industries
Milford LMA
1980-1981

Industry Title	1980	1981	Percent Change 1980-1981
Total Employment	10429	10268	- 1.5
Manufacturing Total	2965	2939	- 0.9
Durable Goods Total			
Primary Metals	INA	INA	--
Fabricated Metals	154	168	9.0
Machinery (except Elec.)	297	239	-19.5
Electrical Machinery	C	C	--
Transportation	112	107	- 4.5
Instruments	C	C	--
Nondurable Goods Total			
Food & Kindred Products	C	C	--
Textile Mill Products	C	C	--
Apparel	C	C	--
Paper & Allied Products	INA	INA	--
Printing and Publishing	40	35	-12.5
Chemicals & Allied Products	C	C	--
Rubber & Plastic Products	C	128	--
Leather & Leather Products	C	C	--
Nonmanufacturing Total	7464	7329	- 1.8
Contract Construction	331	359	- 8.5
Transportation, Communications, and Utilities	559	598	7.0
Wholesale and Retail Trade	2632	2654	8.7
Finance, Insurance & Real Estate	534	550	3.0
Services	1934	1837	- 5.0
Government	1294	1164	-10.0

Source: Employment and Wages - ES-202

C = Confidential Information
INA = Information Not Available

Employment growth is expected to increase in the Milford LMA once the recession turns around. In addition, the completion of Route I-495 will link the area to other economic centers, thereby, making the area more attractive for business expansion and relocation. Thus, expanded employment and occupational opportunities will improve as a result of increased business activity.

B. Manufacturing Growth

Business activity through employment growth is another approach to the analysis of employment trends in an area. This section lists expansions (Table 17) according to estimated increases in employment. Industries that expanded or relocated through purchases, construction, or leasing new facilties are included. Employment estimates represent the number of jobs already created or those about to be created as a direct result of expansions and relocations.

The Boston SMSA realized the greatest business expansion in the state during cy 1981. Growth was seen among high technology industries : electrical machinery, scientific instruments, machinery and fabricated metal products.

In addition to an analysis of employment trends, stability and business activity can be studied through other methods. Table 18 shows the Boston SMSA was well represented on the Fortune "500" list. Over 60 percent of those listed for Massachusetts are within the Boston SMSA.

C. Production Wages and Employment

Another method of assessing an area's changing economy is to study production, employment and wages. Table 19 on page 43 contains information on the Boston SMSA's production employment in manufacturing. The data is compiled from the Current Employment Statistics Program BLS-790 and contains information on the number of production workers in the area by industry. In addition, the percent of total industry employment in production as well as the percent change in employment from the previous year is also presented.

Table 17
Expansion of Boston SMSA Firms*
1981

Company	Location	Estimated Employment Increase**
Dike Realty Trust	Boston	15
Doulton Aerospace, Inc.	Peabody	141
Mack Boring & Parts Co.	Braintree	20
Greenleaf Realty Trust	Quincy	75
Plymouth Rubber Co.	Canton	4
Eisenhaur, Inc.	Medford	3
Gloucester Shrimp Co.	Lynn	41
Daymarc Corp.	Waltham	100
Beacon Publishing Co.	Acton	20
Cole-Hersee Company	Boston	185*
Damco, Inc.	Watertown	136
Saxon Theatre Corp.	Somerville	56
The Wire Wrappers	Burlington	24
Synthon Industries, Inc.	Chelsea.	15
The Foxboro Company	Foxboro	300
Carousel Fashions, Inc.	Canton	35
Boston Insulated Wire & Cable Co.	Boston	60
310 McClellan Highway Realty Trust	Boston	20
Dempney Company	Everett	8
David E. Thompson, Inc.	Weymouth	6
George Melhado & Co.	Sharon	20
USM Corporation	Beverly	8
W.F. Wood Engineering Corp.	Holliston	100
Vanzetti Infrared & Computer Systems, Inc.	Stoughton	55
Biogen, Inc.	Cambridge	100
The Flatley Company	Danvers	100
Johnny Appleseed's, Inc.	Beverly	55
R & S Realty Trust	Braintree	44
LTX Corporation	Westwood	*
Industrial Metal Products Co.	Sharon	12
Walworth/Star Markets	Canton	175
Russia Wharf Company	Boston	800
Aunyx Corporation	Hingham	10
E.H. Allen Company, Inc.	Somerville	6
Wheeler Manufacturing Corp.	Cambridge	10
Stoughton Realty Trust	Stoughton	34
LTX Corporation	Newton	50
Newly Weds Foods Inc.	Watertown	140
Cambridge Machined Products, Inc.	Somerville	15

Table 17
Expansion of Boston SMSA Firms*
1981
(continued)

Company	Location	Estimated Employment Increase**
Amsterdam Bedding Co.	Holbrook	50
Alpha Industries, Inc.	Woburn	250
American Lighting Fixture Corp.	Arlington	7
Instrumentation Laboratory, Inc.	Watertown	40
Spears Associates, Inc.	Norwood	52
S.S. Pierce Co.	Peabody	10
Steve Connolly Seafood Co.	Boston	45
Louise's Home Style Ravioli Co.	Revere	*
26 West Street Assoc.	Boston	44
Valpey-Fisher Corp.	Hopkinton	50
Boston Edison Co.	Everett	***
DHH Realty Trust	Boston	300
Microsonics, Inc.	Weymouth	225*
Compugraphic Corp.	Wilmington	9
Franklin Sports Industries, Inc.	Stoughton	44
Unitrode Corporation	Watertown	10
Polyeclon, Inc.	Woburn	9
Vac-Hyd Processing Corp.	Danvers	14
Hersey Products, Inc.	Dedham	6
Jordan Furniture Co.	Newton	*
Pierce Aluminum Co.	Canton	12
Shawmut Advertising, Inc.	Chelsea	13
Callico Distributors, Inc.	Canton	4
Pipesupport Corp.	Woburn	20
Adams-Russell Co.	Waltham	125
Lee Products Co.	Everett	15
Faymot Realty Trust	Peabody	20
Kennett Corporation	Westboro	15
Seiler Corporation	Waltham	70
Adams-Russell Co.	Burlington	50
Charleswater Products, Inc.	Newton	5
Ade Corporation	Newton	98
Viking Seafood, Inc.	Malden	40
WWF Paper Corp.	Boston	20
W.C. Bonner Co.	Watertown	12
Benda Products, Inc.	Canton	5
Stafford Manufacturing Corp.	Woburn	18
Delta Electronic's Mfg. Corp.	Beverly	200
Terra-Light, Inc.	Danvers	13

Table 17
Expansion of Boston SMSA Firms*
1981
(continued)

Company	Location	Estimated Employment Increase**
Omni Communications	Lynn	15
Hotwatt Inc.	Danvers	38
W.H. Nichols Company	Waltham	15
Metal Bellows Corp.	Sharon	60
Emerson-Swan, Inc.	Norwood	8
Palmer Manufacturing	Malden	12
Watson Mailing Service, Inc.	Chelsea	20
Henry Wolfers, Inc.	Boston	6
Fidelity Press, Inc.	Everett	5
Setra Systems, Inc.	Acton	20
The Timross Co., Inc.	Ashland	9
Industrial Cab Co., Inc.	Beverly	15
Parker/Dawson Corp.	Hingham	9
North East Cutting Die Corp.	Lynn	20
Sanborn's Motor Express	Wrentham	20
Burke Warehouse Inc.	Randolph	25
Curtlo Realty Trust	Marshfield	135
Barcolene Company	Holbrook	40
Lydia Pinkham Trust	Lynn	30
Francer Industries, Inc.	Weymouth	10
Standard of Lynn, Inc.	Lynn	5
George B.H. Macomber	Boston	265
Interpretive Data System, Inc.	Brookline	150
M & H Engineering, Inc.	Danvers	15
Molecudyne, Inc.	Cambridge	7
Reynolds-Dewalt Vizwiz, Inc.	Brookline	5
Precision Metal Products Co.	Peabody	50
National Door Corp.	Needham	15
QPL Electronics Distributors Inc.	Burlington	37
101 Adams Street Realty	Quincy	***
West Lynn Creamery	Lynn	575
F.W. Webb Company	Stoughton	8
Suffolk Square Assciates I	Malden	130
Alden Electronic & Impulse Recording Equipment Co.	Westboro	23
Stride Rite Corp.	Boston	5
American Cold Storage Co.	Westwood	38
Seaboard Products, Inc.	Kingston	20
Dynagraf, Inc.	Boston	20
Stride Rite Corp.	Cambridge	60
Piantedosi Baking Co.	Malden	30

Table 17
Expansion of Boston SMSA Firms*
1981
(continued)

Company	Location	Estimated Employment Increase**
Delmed, Inc.	Canton	175
Louis F. DeCota	Randolph	10
Metropolitan Center, Inc.	Boston	15
Venus Wafers, Inc.	Hingham	10
Stafford Manufacturing	Wilmington	14
Continental Resources, Inc.	Bedford	25
August A. Busch Co. of Massachusetts, Inc.	Chelsea	47
Bleyer Industries, Inc.	Wakefield	25*
Medford Savings Bank	Medford	8
Pizzeria Regina of America, Inc.	Lynn	50
Armatron International, Inc.	Melrose	60
Everett Savings Bank	Everett	9
Eastern Scientific Co.	Stoneham	10
John Boyd Co.	Lynn	30
Nimrod Press, Inc.	Boston	25
Leather Shop, Inc.	Concord	90
Merchants Tire Co.	Boston	26
Wilbur Theatre	Boston	***
D.D. & L Realty Trust	Boston	50
Sager Electrical Supply Co.	Hingham	8
Legal Seafoods	Cambridge	160
Village Forge, Inc.	Boston	10
Foods and Services, Inc.	Westboro	14
James M. Salah	Canton	55
Walpole Cooperative Bank	Walpole	15
Bailey & Weston Inc.	Hingham	7
Daniels Printing Co.	Everett	17
Jordan Marsh Company	Somerville	190
North American Assoc.	Stoughton	46
Rudolp & Co., Inc.	Boston	8
Republic Plumbing Co.	Norwood	14
Eastern Uniform Co.,	Norwell	275
Turner Fisheries, Inc.	Boston	29
Burgess Brothers	Canton	21
Environmental Instruments Inc.	Natick	75
Frito-Lay, Inc.	Danvers	21

Table 17
Expansion of Boston SMSA Firms*
1981
(continued)

Company	Location	Estimated Employment Increase**
Colonial Fabricators, Inc.	Cambridge	32
Cricket Press, Inc.	Manchester	5
Syncor International Corp.	Bedford	5
Purity Supreme, Inc.	Winchester	100
FIA, Inc.	Woburn	5
Allied Sheet Metal and Heating Corp.	Waltham	8
Software Arts, Inc.	Wellesley	70

Source: Massachusetts Industrial Finance Agency 1981 Annual Report. 1981 Projects approved for Industrial Revenue Bonds.

* These projects have job retention

** Employment is projected at time of loan approval

*** Projects without new employment figures are either CARD or pollution control projects, or have job retention. Several approvals are also part of larger projects previously financed with MIFA Bonds.

Table 18
Boston SMSA Based. Fortune "500" Companies

Rank		Company (SIC)	Net Income ($000)	Rank	Employees of Company	
81	80				Number	Rank
62	69	Raytheon (36)	324,041	58	76,500	39
173	163	Gillette (34)	124,291	153	32,300	139
223	232	Cabot (33)	110,167	165	7,700	390
251	236	Polaroid (38)	31,100	342	16,784	243
350	362	General Cinema (49)	44,265	304	12,500	296
391	428	E.G & G (38)	34,119	333	18,000	227
430	474	Foxboro (38)	44,837	301	11,950	309
441	478	Dennison Mfg. (26)	30,074	348	9,000	363
464	611	MIA-COM (36)	40,275	313	8,096	382

Source: Fortune "The 500" May 3, 1982 Pages 258 - 286

Table 19
Production Employment as a Percent of Total Wage and Salary Employment
Boston SMSA
April 1981

Industry Title	Employees (000's)	Production Workers (000's)	Production as Percent of Total Industry Employment	Percent Change in Employment Over the Year
Manufacturing	286.1	170.7	59.7	- 2.7
Durable Goods Total	195.0	110.0	56.4	- 2.9
Fabricated Metals	19.5	12.5	64.1	- 2.0
Machinery (exc. elec.)	49.5	25.4	51.3	0.0
Electric & Electronic Equip.	54.5	32.6	59.8	0.0
Transportation Equipment	18.6	9.3	0.5	-17.3
Instruments & Rel. Prod.	43.3	23.3	53.8	- 2.5
Nondurable Goods	91.1	60.7	66.6	- 2.1
Textile Mill Products	3.6	2.4	66.6	- 2.7
Apparel	12.0	9.8	81.7	- 5.5
Paper & Allied Products	8.3	5.7	68.7	1.2
Printing & Publishing	24.8	14.7	59.3	- 2.0
Chemicals & Allied Prod.	9.0	4.9	54.4	0.0
Rubber & Misc. Plastics	9.4	6.8	72.3	- 4.1
Leather & Leather Prod.	5.8	4.8	82.8	- 3.3

Source: BLS- 790
1981 Benchmark

Table 20

Gross hours and earnings of production workers on manufacturing payrolls by area

State and Area	Average weekly earnings APR 1981	 MAR 1982	 APR p 1982	Average weekly hours APR 1981	 MAR 1982	 APR p 1982	Average hourly earnings APR 1981	 MAR 1982	 APR p 1982
CONNECTICUT	313.33	330.47	330.08	41.5	40.9	40.6	7.55	8.08	8.13
Hartford	330.42	355.97	354.14	41.2	41.2	40.8	8.02	8.64	8.68
Bridgeport	330.58	342.76	339.90	42.6	41.8	41.2	7.76	8.20	8.25
New Haven	290.21	312.04	306.50	39.7	39.7	38.7	7.31	7.86	7.92
Waterbury	264.13	287.86	270.24	41.4	42.9	39.8	6.38	6.71	6.79
Stamford	289.05	294.32	298.19	41.0	39.4	39.6	7.05	7.47	7.53
New Britain	323.53	334.96	329.26	41.8	41.2	40.4	7.74	8.13	8.15
MAINE	260.50	276.31	283.61	40.2	39.7	40.4	6.48	6.96	7.02
Portland	246.24	272.74	265,69	38.0	39.7	38.9	6.48	6.87	6.83
Lewiston-Auburn	206.63	210.46	215.28	37.5	36.1	36.8	5.51	5.83	5.85
MASSACHUSETTS	275.60	291.91	292.74	40.0	39.5	39.4	6.89	7.39	7.43
Boston	300.70	310.04	312.42	40.2	39.8	39.2	7.48	7.79	7.97
Springfield-Holyoke	277.43	295.57	298.15	40.5	40.6	40.4	6.85	7.28	7.38
Worcester	283.06	307.65	301.86	39.7	39.8	39.0	7.13	7.73	7.74
New Bedford	233.98	253.72	255.84	37.8	38.5	38.3	6.19	6.59	6.68
Fall River	216.01	211.48	207.68	38.3	36.4	35.5	5.64	5.81	5.85
Brockton	223.04	229.96	235.93	39.9	38.2	38.3	5.59	6.02	6.16
Lawrence-Haverhill	280.09	300.45	298.90	40.3	39.9	39.8	6.95	7.53	7.51
Lowell	249.46	269.87	259.49	39.1	40.4	38.5	6.38	6.68	6.74
NEW HAMPSHIRE	248.98	273.03	272.74	39.9	39.8	39.7	6.24	6.86	6.87
Manchester	231.43	252.80	254.63	38.7	39.5	39.6	5.98	6.40	6.43
Nashua	274.51	308.05	308.45	39.9	39.8	39.8	6.88	7.74	7.75
RHODE ISLAND	234.00	252.72	255.45	39.0	39.0	39.0	6.00	6.48	6.55
Providence	232.44	251.02	252.20	39.0	39.1	39.1	5.96	6.42	6.45
VERMONT	265.32	280.86	275.38	40.2	38.9	38.3	6.60	7.22	7.19
Burlington	295.65	317.12	303.73	41.7	40.5	39.6	7.09	7.83	7.67
Springfield	305.02	303.71	293.36	40.4	39.7	38.6	7.55	7.65	7.60
UNITED STATES	312.84	326.49	325.08	39.7	39.1	38.7	7.88	8.35	8.40

Total manufacturing had 59.7 percent of employment in production. Within the durable goods sector Fabricated Metals recorded the highest percentage of production workers with 64.1 percent. Transportation Equipment had the lowest with 0.5 of a percentage point, during 1980 this ratio was 55.4 percent.

In the nondurable goods sector the Leather and Leather Products industry had the greatest percentage of production employment (82.8 percent), followed by Apparel with 81.7 percent.

Table 20 contains information on the gross hours and earnings of production workers. Included is data on the Boston SMSA and other major labor markets in the state and New England. Within Massachusetts, the area has the highest average weekly earnings as well as average hourly earnings. Average weekly hours in the Boston SMSA were not the most worked, however, were among the highest. The Boston SMSA fared well when compared with labor market areas in the other five New England states.

D. Job Placements by Industry

1. Boston SMSA: Table 21 provides information on all the job orders received and filled by the Division of Employment Security (DES) within the Boston SMSA. These job orders are listed by industrial division and occupational category.

The greatest number of job orders listed with DES for the Boston SMSA were from the Wholesale and Retail Trade, followed by Services and Manufacturing. As the table indicates the fill rate of Job Matching Services job orders was highest for Service industry jobs (67 percent) followed by Wholesale and Retail Trade Industry jobs (60.7 percent).

2. Marlborough LMA: Information on job openings received and filled by industry and occupation for the Marlborough LMA is contained in Table.22 .

The largest number of openings received was from the Manufacturing sector followed by Wholesale and Retail Trade, and Services. The rate jobs were filled at was greatest in Transportation industry jobs, 138.5 percent. Service industry jobs followed with 83.8 percent and construction jobs with 67.6 percent.

Table 21
Boston SMSA

- ALL JOB OPENINGS 03/31/82 SMSA 1120
OPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

ITEM NO	OCCUPATIONAL CATEGORIES AND DIVISIONS		OPENINGS BY INDUSTRIAL DIVISION									
			TOTAL	AGR FOR & FISH	MINING	CONSTR	MFG	TRANSP & UTIL	WHS & RETAIL TRADE	FINANCE INS & REAL ESTATE	SERVICES	PUBLIC ADMINISTRATION	GOVT
A	B		C	D	E	F	G	H	I	J	K	L	M
	OPENINGS RECEIVED												
10010	TOTAL		26192	124	1	534	4451	573	9693	670	9585	561	681
10015	0-1	PROF TECH MGR	5081	1	0	4	259	15	126	36	4488	152	172
10020	20-24	CLERICAL	5782	2	1	57	1302	106	2340	400	1343	231	294
10025	25-29	SALES	3764	4	0	12	57	55	3416	74	142	4	2
10030	30	DOMESTIC	812	0	0	0	0	0	70	0	740	2	2
10035	31-39	OTHER SERVICES	4076	0	0	22	114	20	2066	82	1738	34	67
10040	4	FARM F & F	220	106	0	0	8	4	5	14	13	70	70
10045	5	PROCESSING	168	0	0	0	120	2	28	2	15	1	1
10050	6	MACHINE TRADES	641	0	0	17	401	13	106	7	97	0	2
10055	7	BENCH WORK	983	0	0	6	727	2	84	1	163	0	0
10060	8	STRUCTURAL	1010	5	0	362	315	40	55	34	182	17	21
10065	90-91	MOTOR FRGT, TRANSP	1417	0	0	16	731	184	260	4	216	6	4
10070	92	PKG MTRL HNDL	1976	6	0	31	400	131	1125	6	265	12	14
10075	93-97	OTHER	262	0	0	7	17	1	12	10	183	32	32
	OPENINGS FILLED												
10085	TOTAL		15710	36	0	266	2343	262	5881	297	6426	199	274
10090	0-1	PROF TECH MGR	4191	0	0	0	36	7	42	2	4094	10	16
10095	20-24	CLERICAL	2909	0	0	26	904	34	1274	147	447	77	113
10100	25-29	SALES	2352	1	0	1	15	3	2240	59	31	2	1
10105	30	DOMESTIC	610	0	0	0	0	0	70	0	538	2	2
10110	31-39	OTHER SERVICES	2136	0	0	11	62	18	1261	48	722	14	44
10115	4	FARM F & F	106	27	0	0	1	0	1	2	8	67	67
10120	5	PROCESSING	117	0	0	0	92	1	17	0	7	0	0
10125	6	MACHINE TRADES	293	0	0	1	185	8	56	5	38	0	0
10130	7	BENCH WORK	357	0	0	2	292	2	21	1	38	1	2
10135	8	STRUCTURAL	408	4	0	191	73	6	29	17	74	14	12
10140	90-91	MOTOR FRGT, TRANSP	802	0	0	9	415	75	133	2	166	2	1
10145	92	PKG MTRL HNDL	1270	4	0	19	258	108	726	4	147	4	10
10150	93-97	OTHER	159	0	0	6	10	0	11	10	116	6	6
	FILL RATE												
10160	TOTAL		60.0	29.0	0.0	49.8	52.6	45.7	60.7	44.3	67.0	35.5	40.2
10165	0-1	PROF TECH MGR	82.5	0.0	0.0	0.0	13.9	46.7	33.3	5.6	91.2	6.6	9.3
10170	20-24	CLERICAL	50.3	0.0	0.0	45.6	69.4	32.1	54.4	36.8	33.3	33.3	38.4
10175	25-29	SALES	62.5	25.0	0.0	8.3	26.3	5.5	65.6	79.7	21.8	50.0	50.0
10180	30	DOMESTIC	75.1	0.0	0.0	0.0	0.0	0.0	100.0	0.0	72.7	100.0	100.0
10185	31-39	OTHER SERVICES	52.4	0.0	0.0	50.0	54.4	90.0	61.0	58.5	41.5	41.2	65.7

Table 21
Boston SMSA
(continued)

- ALL JOB OPENINGS 03/31/82 SMSA 1120
OPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

ITEM NO		OCCUPATIONAL CATEGORIES AND DIVISIONS	OPENINGS BY INDUSTRIAL DIVISION										
			TOTAL	AGR FOR & FISH	MINING	CONSTR	MFG	TRANSP & UTIL	WHS & RETAIL TRADE	FINANCE INS & REAL ESTATE	SERVICES	PUBLIC ADMINISTRATION	GOVT
A		B	C	D	E	F	G	H	I	J	K	L	M
10190	4	FARM F & F	48.2	25.5	0.0	0.0	12.5	0.0	20.0	14.3	81.5	95.7	95.7
10195	5	PROCESSING	69.5	0.0	0.0	0.0	76.7	50.0	60.7	0.0	46.7	0.0	0.0
10200	6	MACHINE TRADES	45.7	0.0	0.0	5.9	46.1	61.5	52.8	71.4	39.2	0.0	0.0
10205	7	BENCH WORK	36.3	0.0	0.0	33.3	40.2	100.0	25.0	100.0	23.3	0.0	0.0
10210	8	STRUCTURAL	40.4	80.0	0.0	52.8	23.2	15.0	52.7	50.0	40.7	82.4	57.1
10215	90-91	MOTOR FRGT, TRANSP	56.5	0.0	0.0	56.3	56.8	40.8	51.2	50.0	76.9	33.3	25.0
10220	92	PKG MTRL HNDL	64.3	66.7	0.0	61.3	64.5	82.4	64.5	66.7	55.5	33.3	71.4
10225	93-97	OTHER	60.7	0.0	0.0	85.7	58.8	0.0	91.7	100.0	63.4	18.8	18.8

SMSA 1120 MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82 PAGE 002

Table 22
Marlborough Local Office

- ALL JOB OPENINGS 03/31/82 LOFF 2129
OPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

ITEM NO	OCCUPATIONAL CATEGORIES AND DIVISIONS		OPENINGS BY INDUSTRIAL DIVISION TOTAL	AGR FOR & FISH	MINING	CONSTR	MFG	TRANSP & UTIL	WHS & RETAIL TRADE	FINANCE INS & REAL ESTATE	SERVICES	PUBLIC ADMINISTRATION	GOVT
A	B		C	D	E	F	G	H	I	J	K	L	M
	OPENINGS RECEIVED												
10010	TOTAL		962	25	0	37	469	13	221	25	154	18	12
10015	0-1	PROF TECH MGR	147	1	0	0	127	0	0	1	16	2	1
10020	20-24	CLERICAL	198	0	0	3	65	3	77	10	30	10	9
10025	25-29	SALES	102	0	0	0	0	0	83	12	7	0	0
10030	30	DOMESTIC	3	0	0	0	0	0	0	0	3	0	0
10035	31-39	OTHER SERVICES	114	0	0	1	13	0	27	2	69	2	2
10040	4	FARM F & F	27	24	0	0	0	0	0	0	0	3	0
10045	5	PROCESSING	13	0	0	3	5	0	3	0	2	0	0
10050	6	MACHINE TRADES	56	0	0	3	47	1	5	0	0	0	0
10055	7	BENCH WORK	178	0	0	0	156	0	11	0	10	1	0
10060	8	STRUCTURAL	59	0	0	18	30	0	4	0	7	0	0
10065	90-91	MOTOR FRGT, TRANSP	24	0	0	7	2	8	6	0	1	0	0
10070	92	PKG MTRL HNDL	40	0	0	1	24	1	5	0	9	0	0
10075	93-97	OTHER	1	0	0	1	0	0	0	0	0	0	0
	OPENINGS FILLED												
10085	TOTAL		421	4	0	25	176	18	52	8	129	9	6
10090	0-1	PROF TECH MGR	15	0	0	1	13	0	0	0	1	0	1
10095	20-24	CLERICAL	135	0	0	0	40	2	9	5	73	6	5
10100	25-29	SALES	11	0	0	0	0	0	9	1	1	0	0
10105	30	DOMESTIC	2	0	0	0	0	0	0	0	2	0	0
10110	31-39	OTHER SERVICES	66	0	0	1	9	0	14	2	40	0	0
10115	4	FARM F & F	7	4	0	0	0	0	0	0	0	3	0
10120	5	PROCESSING	4	0	0	0	2	0	0	0	2	0	0
10125	6	MACHINE TRADES	43	0	0	7	34	1	1	0	0	0	0
10130	7	BENCH WORK	54	0	0	0	46	0	7	0	1	0	0
10135	8	STRUCTURAL	27	0	0	9	12	0	4	0	2	0	0
10140	90-91	MOTOR FRGT, TRANSP	21	0	0	6	1	11	3	0	0	0	0
10145	92	PKG MTRL HNDL	35	0	0	0	19	4	5	0	7	0	0
10150	93-97	OTHER	1	0	0	1	0	0	0	0	0	0	0
	FILL RATE												
10160	TOTAL		43.8	16.0	0.0	67.6	37.5	138.5	23.5	32.0	83.8	50.0	50.0
10165	0-1	PROF TECH MGR	10.2	0.0	0.0	0.0	10.2	0.0	0.0	0.0	6.3	0.0	100.0
10170	20-24	CLERICAL	68.2	0.0	0.0	0.0	61.5	66.7	11.7	50.0	243.3	60.0	55.6
10175	25-29	SALES	10.8	0.0	0.0	0.0	0.0	0.0	10.8	8.3	14.3	0.0	0.0
10180	30	DOMESTIC	66.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	0.0	0.0
10185	31-39	OTHER SERVICES	57.9	0.0	0.0	100.0	69.2	0.0	51.9	100.0	58.0	0.0	0.0

Table 22

Marlborough Local Office
(continued)

- ALL JOB OPENINGS 03/31/82 LOFF 2129

OPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

ITEM NO	OCCUPATIONAL CATEGORIES AND DIVISIONS	OPENINGS BY INDUSTRIAL DIVISION										
		TOTAL	AGR FOR & FISH	MINING	CONSTR	MFG	TRANSP & UTIL	WHS & RETAIL TRADE	FINANCE INS & REAL ESTATE	SER-VICES	PUBLIC ADMIN-ISTRA-TION	GOVT
A	B	C	D	E	F	G	H	I	J	K	L	M
10190 4	FARM F & F	25.9	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0
10195 5	PROCESSING	30.8	0.0	0.0	0.0	40.0	0.0	0.0	0.0	100.0	0.0	0.0
10200 6	MACHINE TRADES	76.8	0.0	0.0	233.3	72.3	100.0	20.0	0.0	0.0	0.0	0.0
10205 7	BENCH WORK	30.3	0.0	0.0	0.0	29.5	0.0	63.6	0.0	10.0	0.0	0.0
10210 8	STRUCTURAL	45.8	0.0	0.0	50.0	40.0	0.0	100.0	0.0	28.6	0.0	0.0
10215 90-91	MOTOR FRGT, TRANSP	87.5	0.0	0.0	85.7	50.0	137.5	50.0	0.0	0.0	0.0	0.0
10220 92	PKG MTRL HNDL	87.5	0.0	0.0	0.0	79.2	400.0	100.0	0.0	77.8	0.0	0.0
10225 93-97	OTHER	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 23
Milford Local Office

- ALL JOB OPENINGS 03/31/82 LOFF 2126
OPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

ITEM NO	OCCUPATIONAL CATEGORIES AND DIVISIONS	OPENINGS BY INDUSTRIAL DIVISION										
		TOTAL	AGR FOR & FISH	MINING	CONSTR	MFG	TRANSP & UTIL	WHS & RETAIL TRADE	FINANCE INS & REAL ESTATE	SER-VICES	PUBLIC ADMIN-ISTRA-TION	GOVT
A	B	C	D	E	F	G	H	I	J	K	L	M
	OPENINGS RECEIVED											
10010	TOTAL	726	0	0	33	237	9	81	6	349	11	13
10015	0-1 PROF TECH MGR	58	0	0	0	9	0	2	1	42	4	3
10020	20-24 CLERICAL	239	0	0	0	21	2	12	2	199	3	3
10025	25-29 SALES	16	0	0	0	3	0	12	1	0	0	0
10030	30 DOMESTIC	4	0	0	0	0	0	0	0	4	0	0
10035	31-39 OTHER SERVICES	137	0	0	0	14	0	40	2	80	1	4
10040	4 FARM F & F	2	0	0	0	0	0	0	0	0	2	0
10045	5 PROCESSING	9	0	0	0	9	0	0	0	0	0	0
10050	6 MACHINE TRADES	37	0	0	0	32	0	5	0	0	0	0
10055	7 BENCH WORK	27	0	0	0	26	0	0	0	0	1	1
10060	8 STRUCTURAL	61	0	0	31	11	1	4	0	14	0	0
10065	90-91 MOTOR FRGT, TRANSP	12	0	0	0	2	1	4	0	5	0	2
10070	92 PKG MTRL HNDL	120	0	0	2	107	5	2	0	4	0	0
10075	93-97 OTHER	4	0	0	0	3	0	0	0	1	0	0
	OPENINGS FILLED											
50												
10085	TOTAL	544	0	0	10	130	6	175	4	217	2	6
10090	0-1 PROF TECH MGR	9	0	0	0	5	0	2	0	2	0	0
10095	20-24 CLERICAL	263	0	0	0	12	1	71	2	176	1	1
10100	25-29 SALES	74	0	0	0	2	0	72	0	0	0	0
10105	30 DOMESTIC	3	0	0	0	0	0	0	0	3	0	0
10110	31-39 OTHER SERVICES	48	0	0	0	5	0	22	2	19	0	3
10115	4 FARM F & F	0	0	0	0	0	0	0	0	0	0	0
10120	5 PROCESSING	8	0	0	0	8	0	0	0	0	0	0
10125	6 MACHINE TRADES	29	0	0	0	26	0	3	0	0	0	0
10130	7 BENCH WORK	19	0	0	0	16	0	0	0	2	1	1
10135	8 STRUCTURAL	27	0	0	9	9	1	0	0	8	0	0
10140	90-91 MOTOR FRGT, TRANSP	8	0	0	0	2	0	3	0	3	0	1
10145	92 PKG MTRL HNDL	54	0	0	1	13	4	2	0	4	0	0
10150	93-97 OTHER	2	0	0	0	2	0	0	0	0	0	0
	FILL RATE											
10160	TOTAL	74.9	0.0	0.0	30.3	54.9	66.7	216.0	66.7	62.2	18.2	46.2
10165	0-1 PROF TECH MGR	15.5	0.0	0.0	0.0	55.6	0.0	100.0	0.0	4.8	0.0	0.0
10170	20-24 CLERICAL	110.0	0.0	0.0	0.0	57.1	50.0	591.7	100.0	88.4	33.3	33.3
10175	25-29 SALES	462.5	0.0	0.0	0.0	66.7	0.0	600.0	0.0	0.0	0.0	0.0
10180	30 DOMESTIC	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0	0.0	0.0
10185	31-39 OTHER SERVICES	35.0	0.0	0.0	0.0	35.7	0.0	55.0	100.0	23.8	0.0	75.0

LOCAL OFFICE 2126

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82

Milford Local Office
(continued)

- ALL JOB OPENINGS 03/31/82 LOFF 2126
OPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

ITEM NO	OCCUPATIONAL CATEGORIES AND DIVISIONS	OPENINGS BY INDUSTRIAL DIVISION										
		TOTAL	AGR FOR & FISH	MINING	CONSTR	MFG	TRANSP & UTIL	WHS & RETAIL TRADE	FINANCE INS & REAL ESTATE	SER-VICES	PUBLIC ADMIN-ISTRA-TION	GOVT
A	B	C	D	E	F	G	H	I	J	K	L	M
10190 4	FARM F & F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10195 5	PROCESSING	88.9	0.0	0.0	0.0	88.9	0.0	0.0	0.0	0.0	0.0	[illegible]
10200 6	MACHINE TRADES	78.4	0.0	0.0	0.0	81.3	0.0	60.0	0.0	0.0	0.0	0.0
10205 7	BENCH WORK	70.4	0.0	0.0	0.0	61.5	0.0	0.0	0.0	0.0	100.0	100.0
10210 8	STRUCTURAL	44.3	0.0	0.0	29.0	81.8	100.0	0.0	0.0	57.1	0.0	0.0
10215 90-91	MOTOR FRGT, TRANSP	66.7	0.0	0.0	0.0	100.0	0.0	75.0	0.0	60.0	0.0	50.0
10220 92	PKG MTRL HNDL	45.0	0.0	0.0	50.0	40.2	80.0	100.0	0.0	100.0	0.0	0.0
10225 93-97	OTHER	50.0	0.0	0.0	0.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0

3. Milford LMA; Job orders in the Milford LMA were greatest from the service industry and were followed by those received from manufacturing. Table23on Page50indicates Wholesale and Retail Trade with the highest percentage of jobs filled at 216 percent followed by Transportation and Utilities with a 66.7 percent fill rate.

E. Labor Turnover

This is the last printing of Labor Turnover in Manufacturing to be contained in the Boston SMSA Annual Planning Information Report. Due to budgetary constraints, the U.S. Department of Labor and the Bureau of Labor Statistics have suspended operation of the Federal-State cooperative Labor Turnover program. The Job Market Research Service regrets this decision since the Labor Turnover program has been an integral part of our comprehensive labor market information system. The information contained in Tables 24and25 are for the final year 1981.

Labor Turnover measures the gross movement of manufacturing wage and salary workers into and out of employed status with respect to individual establishments. The estimate is derived from a sample of employers who report on a monthly basis. The following tables 24and25are included for comparative purposes. Table 24contains labor turnover rates in manufacturing for the Boston SMSA from 1970 to 1981 and Table25 has labor turnover in manufacturing industries for the Boston SMSA in 1981 and by industry title.

Total accessions decreased 0.3 of a percentage point from 1980. The most noticeable change in accession rates occurred from 1974 to 1975 with a change of 0.6 of a percentage point. Total accessions increased from 1975 until 1979 when a drop of 0.3 of a percentage point was noted. New hires also dropped by 0.3 of a percentage point in 1981, however, it was not as great as the 1974-1975 decrease. Recalls increased 0.1 of a percentage point.

Total separations rate for 1981 decreased to 3.0 percent. The quit rate for 1981 was 1.3 percent a decrease of 0.1 of a percentage point from 1980. Layoffs increased to 1.0 percent for 1981.

An analysis of manufacturing industries Table25revealed that the highest accession rate was in Leather and Leather Products (4.8 percent). High accession rates were also noted in: Food and Kindred Products (4.2 percent) and Printing (3.2 percent). Separation rates were also high within these 3 industrial groups with Leather and Leather Products (5.2 percent), Food and Kindred Products (4.1 percent), and Printing (3.7 percent). These industries have a history of high turnover, partially attributed to seasonal peaks and valleys.

Definitions

Labor Turnover	Refers to the gross movement of wage and salary workers into and out of jobs with respect to individual firms. Data are accumulated for a calendar month and expressed as a rate per 100 workers.
Total Accessions	All permanent or temporary additions, whether new or former employees.
New Hires	Permanent or temporary additions of persons who have not been specifically recalled by the employer, or transferred from another establishment of the same company.
Recalls	Permanent or temporary additions to the employment roll of persons specifically recalled to a job in the same establishment of the company following a period of layoff lasting more than seven consecutive days.
Total Separations	Terminations of employment resulting from: quits, discharges, layoffs, transfers out to another establishment of the same company, military duty and miscellaneous causes.
Quits	Terminations of employment initiated by employee for any reason except to retire, to transfer to another establishment of the same company or to serve in the armed forces.
Layoffs	Suspensions from pay status (which last or are expected to last more than 7 consecutive calendar days) initiated by the employer without prejudice to the worker for such reasons as lack of orders, model changeover, termination of seasonal employment etc.

Table 24
Labor Turnover Rates in Manufacturing 1/
Boston SMSA
1970-1981

	Accession Rate			Separation Rate		
Year	Total	New Hires	Recall	Total	Quits	Layoffs
1970	3.6	2.5	INA	4.7	2.1	1.7
1971	3.1	2.1	INA	3.6	1.5	1.5
1972	3.3	2.5	INA	3.5	1.7	1.0
1973	3.7	3.0	INA	3.8	2.1	0.8
1974	3.4	2.6	INA	4.2	1.8	1.5
1975	2.8	1.5	INA	3.5	0.9	1.6
1976	2.9	2.0	0.6	3.0	1.2	1.1
1977**	3.1	2.2	0.7	3.1	1.3	1.0
1978	3.4	2.6	0.5	3.1	1.5	0.7
1979	3.1	2.4	0.4	3.1	1.6	0.8
1980	3.0	2.3	0.5	3.1	1.4	0.9
1981	2.7	2.0	0.6	3.0	1.3	1.0

1/ Rate per 100 workers

** Corrected annual rates for 1977

INA Information not available

Source: Occupation/Industry Research Department
Massachusetts Division of Employment Security

Table 25
Labor Turnover In Manufacturing Industries 1/
Boston SMSA
1981

Industry Title	Accession Rates			Separation Rates		
	Total	New Hires	Recall	Total	Quits	Layoffs
Manufacturing	2.7	2.0	0.6	3.0	1.3	1.0
Durable Goods	2.4	1.7	0.5	2.7	1.2	0.9
Primary Metals	2.9	1.8	1.0	1.8	1.0	0.4
Fabricated Metals	1.9	1.6	0.3	2.1	1.0	0.7
Machinery (exc. elec.)	1.4	1.2	0.1	2.4	0.9	0.8
Electrical Machinery	2.5	1.9	0.2	2.3	1.2	0.4
Transportation Equipment	3.7	0.9	2.3	5.0	0.7	3.5
Instruments and Related Products	2.6	2.4	0.1	2.3	1.4	0.2
Nondurable Goods	3.5	2.5	0.8	3.7	1.6	1.4
Food and Kindred Products	4.2	2.4	1.7	4.1	1.6	1.9
Textile and Mill Products	3.0	2.7	0.2	3.7	1.5	1.5
Apparel and Other Related Textile Products	3.1	2.2	0.8	3.8	1.1	1.1
Paper & Allied Products	2.9	2.0	0.7	3.6	1.3	1.7
Printing, Publishing and Allied Products	3.2	2.9	0.4	3.7	1.8	1.0
Chemicals & Allied Prod.	1.6	1.4	0.1	1.3	0.7	0.1
Rubber & Misc. Plastic Products	2.9	2.7	0.1	3.1	2.1	0.1
Leather and Leather Prod.	4.8	4.5	0.3	5.2	3.0	1.6

1/ Rate per 100 Employees

Source: Occupation/Industry Research Department
Massachusetts Division of Employment Security

F. Covered Employment by CETA Area

Covered employment for 1980 by CETA areas is contained in Tables 26 through 28. Employment in establishments subject to Massachusetts Employment Security Law generally excludes employment in religions organizations, smaller agricultural firms, certain domestic services, self-employed, unpaid family services, and some government. Information is provided for each CETA area, and labor market area, and for the cities and towns that comprise each of these areas. Employment levels are separated into major industrial categories to illustrate the industrial mix of the areas.

1. Boston SMSA: The greatest concentration of employment for all CETA areas is in the Service Sector, followed by Wholesale and Retail Trade and Manufacturing.

The city of Boston employs over 45 percent of the service workers of the combined CETA areas listed for the Boston SMSA. The Boston Prime Sponsor accounts for 37 percent of total employment for all the areas. Boston also recorded the highest employment in: Government, Construction, Manufacturing, Transportation, Wholesale and Retail Trade, and Finance, Insurance and Real Estate.

Within the Eastern Middlesex Human Resource Development Authority (EMHRDA), Services accounted for 41.2 percent of that area's total employment. Manufacturing, Wholesale and Retail Trade each had an 18.9 percent share of total employment.

The Salem Prime Sponsor had a 10.6 percent share of the total employment for all CETA areas. Within the Salem CETA area, Manufacturing and Wholesale and Retail Trade had 29.2 and 27.5 percent of total area employment respectively. Services followed with 17.8 percent of total employment.

2. Marlborough LMA: Within the Marlborough Consortium, Manufacturing accounted for 27.9 percent of total employment while Wholesale and Retail Trade had 22.4 percent, and Services 15.3 percent. Within this consortium the town of Framingham had 29.8 percent of the area's total employment. Framingham also had the highest share of all industrial categories.

3. Milford LMA: The Milford LMA is serviced by the Hopedale consortium. Within this area, manufacturing had 29.3 percent of total employment, and Wholesale and Retail Trade, and Services had 23.6 percent and 14.9 percent respectively. The town of Milford had the greatest share of employment with 37.5 percent of the area total. This town also had the highest share of all industrial categories.

Table 26
Covered Employment by CETA Area - 1980

Boston SMSA

Area	Total Employment	Government	Agriculture Forestry Fisheries	Mining	Contract Construction	Manufacturing	Transp. Comm. and Utilities	Wholesale and Retail Trade	Finance Insurance & Real Estate	Services
Prime Sponsors										
Boston (Prime Sponsor)	505,360	88,240	619	8	9,827	51,926	35,704	81,557	66,513	170,966
Boston City	505,360	88,240	619	8	9,827	51,926	35,704	81,557	66,513	170,966
Cambridge (EMHRDA)	140,525	14,176	429	24	4,833	26,614	6,077	26,552	4,338	57,898
Arlington	7,668	1,923	42	0	415	323	718	1,973	337	1,937
Belmont	6,556	1,044	58	0	477	355	127	1,498	371	2,626
Cambridge	92,044	7,095	141	24	2,340	16,240	2,526	14,932	2,549	46,177
Somerville	17,494	2,302	*	0	917	3,483	1,223	5,147	524	4,334
Watertown	16,763	1,812	188	0	684	6,213	1,483	3,002	557	2,824
Salem (SAETA)	143,135	20,774	1,393	0	4,069	41,776	4,513	39,441	5,066	25,550
Beverly	12,675	1,627	21	0	481	3,223	336	2,887	417	3,683
Danvers	15,726	3,642	75	*	248	3,511	251	5,160	577	2,244
Essex	746	90	16	0	25	175	*	381	0	41
Gloucester	12,305	1,152	967	0	354	4,327	554	2,772	309	1,865
Hamilton	1,168	433	16	0	116	*	*	325	26	214
Ipswich	3,045	425	*	0	72	1,704	63	412	84	275
Lynn	37,070	3,539	31	0	638	17,175	1,185	6,754	1,133	6,615
Lynnfield	2,918	437	39	0	175	42	*	1,534	74	364
Manchester	1,041	266	55	0	64	47	38	297	25	249
Marblehead	4,345	943	19	0	116	710	137	1,335	203	882
Middleton	1,725	155	59	0	84	1,052	71	159	16	129
Nahant	506	157	0	0	*	0	0	0	0	71
Peabody	15,491	2,275	*	*	485	3,340	576	5,431	960	2,404

Table 26
Covered Employment by CETA Area - 1980
Boston SMSA
(continued)

Area	Total Employment	Government	Agriculture Forestry Fisheries	Mining	Contract Construction	Manufacturing	Transp. Comm. and Utilities	Wholesale and Retail Trade	Finance Insurance & Real Estate	Services
Salem (SALTA) continued										
Rockport	1,470	324	*	0	50	244	17	495	46	267
Salem	20,262	2,989	36	0	507	5,173	910	5,092	906	4,649
Saugus	8,121	1,313	*	0	445	664	306	4,934	128	732
Swampscott	2,777	470	46	0	150	87	61	1,142	120	701
Topsfield	1,246	457	13	0	34	302	8	225	42	165
Wenham	498	80	*	0	25	*	0	106	*	*
Subgrantees										
Chelsea	38,281	5,320	38	0	1,837	5,393	2,776	11,617	1,616	9,653
Chelsea	9,667	1,482	*	0	135	2,571	445	3,796	327	898
Malden	18,314	1,489	16	*	1,198	2,313	1,774	4,094	929	6,471
Revere	7,644	1,571	22	0	234	318	426	3,267	282	1,524
Winthrop	2,656	760	*	0	270	191	131	460	78	760
Medford	130,966	13,859	316	7	5,388	39,675	4,369	33,020	4,498	28,621
Burlington	26,904	1,391	*	*	713	11,394	398	6,411	806	5,700
Everett	13,163	1,122	*	0	806	4,488	859	2,837	358	2,683
Medford	15,176	2,344	99	0	1,092	1,175	1,099	4,845	386	4,136
Melrose	5,964	1,107	19	7	291	736	128	1,033	252	2,391
North Reading	2,598	461	*	0	229	*	*	957	43	309
Reading	4,830	972	*	0	347	824	114	1,412	204	942
Stoneham	6,647	675	*	0	122	1,592	128	1,803	171	2,130
Wakefield	10,885	1,266	34	0	497	3,121	118	1,995	1,262	2,592
Wilmington	15,279	925	*	*	312	8,992	286	2,005	122	2,203
Woburn	24,126	2,816	164	0	616	6,482	952	8,809	663	3,624
Winchester	5,394	780	*	0	363	871	287	913	231	1,911

Table 26
Covered Employment by CETA Area - 1980

Boston SMSA
(continued)

Area	Total Employment	Government	Agriculture Forestry Fisheries	Mining	Contract Construction	Manufacturing	Transp. Comm. and Utilities	Wholesale and Retail Trade	Finance Insurance & Real Estate	Services
Norwood/Newton	276,727	36,292	725	0	8,514	80,252	8,127	62,755	12,791	65,081
Bedford	19,597	5,420	16	0	153	8,607	131	1,270	94	3,906
Brookline	17,112	2,328	42	0	429	427	1,312	4,277	1,419	6,878
Canton	13,705	1,416	*	0	649	5,268	403	4,257	447	1,227
Dedham	12,184	1,284	34	0	639	2,176	393	5,237	905	1,516
Dover	653	356	25	0	36	*	*	98	8	125
Foxboro	8,311	556	35	0	111	5,290	142	1,077	142	958
Lexington	17,295	1,514	53	0	291	6,119	859	3,507	520	4,432
Lincoln	1,374	366	*	0	26	24	*	194	30	722
Medfield	3,332	1,358	26	0	57	1,041	18	569	30	233
Millis	1,595	797	*	*	64	569	31	297	11	147
Needham	14,755	1,499	129	0	1,125	3,016	564	5,854	447	2,121
Newton	41,175	3,427	177	0	1,885	5,912	1,413	12,798	2,303	13,260
Norfolk	1,092	569	17	0	31	130	*	178	8	54
Norwood	22,654	1,142	41	0	534	10,189	446	4,213	1,196	4,893
Plainville	1,957	114	*	*	151	1,146	34	281	25	136
Sharon	2,417	558	*	0	86	401	33	831	67	426
Walpole	8,182	1,597	44	*	190	1,580	595	2,145	110	498
Waltham	60,857	6,589	*	0	867	25,589	1,133	9,691	2,221	14,654
Wellesley	16,117	1,569	*	0	527	1,391	294	3,595	2,375	6,305
Weston	3,147	594	55	0	285	102	36	489	284	1,302
Westwood	5,060	535	31	0	247	1,275	257	1,651	120	944
Wrentham	4,156	2,704	*	0	131	*	33	246	29	344

Table 26
Covered Employment by CETA Area - 1980

Boston SMSA
(continued)

Area	Total Employment	Government	Agriculture Forestry Fisheries	Mining	Contract Construction	Manufacturing	Transp. Comm. and Utilities	Wholesale and Retail Trade	Finance Insurance & Real Estate	Services
Quincy	114,879	16,476	300	0	4,827	22,476	3,914	98,146	8,064	19,767
Braintree	23,141	2,279	*	*	926	4,196	1,021	9,475	1,343	3,850
Cohasset	1,891	477	6	0	65	95	11	724	96	417
Hanover	5,657	652	32	0	112	947	69	3,304	70	471
Hingham	7,482	953	49	*	290	1,653	222	3,235	186	976
Holbrook	2,534	402	17	0	147	664	52	902	54	296
Hull	1,398	449	*	0	126	*	33	307	43	163
Marshfield	2,937	865	*	0	169	130	128	1,156	133	337
Milton	4,904	891	29	0	409	*	514	421	405	1,950
Norwell	2,196	389	*	0	121	125	*	826	*	520
Quincy	34,109	4,654	*	*	1,465	8,941	1,101	8,794	4,611	4,516
Randolph	7,851	859	*	0	262	2,366	134	2,825	212	1,174
Rockland	5,006	580	13	*	138	1,789	58	1,306	392	713
Scituate	2,767	702	15	0	91	282	42	961	100	574
Weymouth	13,006	2,324	139	*	551	1,288	529	3,910	419	3,837

* Confidential

Source: Massachusetts Division of Employment Security; Employment and Wages Cities and Towns 1980 - ES 202.

Table 27
Covered Employment by CETA Area - 1980
Marlborough LMA

Area	Total Employed	Government	Agriculture Forestry Fisheries	Mining	Contract Construction	Manufacturing	Transp. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Marlborough Consortium	134,692	16,619	531	0	3,427	37,558	5,384	30,238	3,762	20,675
Acton	5,365	759	53	*	370	1,051	78	1,719	132	1,187
Ashland	3,564	369	*	*	97	1,838	316	586	32	299
Bellingham	1,898	576	*	0	121	253	47	745	12	157
Boxborough	558	95	*	0	52	109	8	32	0	*
Carlisle	405	125	*	0	*	89	0	*	11	104
Concord	9,827	1,732	65	0	139	2,624	165	1,223	798	3,081
Framingham	40,136	4,191	131	*	1,142	11,796	3,155	10,687	1,330	7,672
Franklin	3,960	823	39	0	196	1,115	81	1,029	104	573
Holliston	2,888	565	*	0	72	922	92	585	54	591
Hopkinton	1,885	245	*	0	114	449	49	555	184	142
Hudson	5,224	501	0	0	196	2,844	94	924	170	395
Littleton	2,837	295	*	0	54	1,585	55	514	17	191
Marlborough	13,483	1,259	38	0	191	7,235	628	2,079	245	1,808
Maynard	15,926	355	*	0	14	*	70	834	94	153
Medway	1,466	246	*	0	18	478	198	268	60	188
Natick	15,562	2,579	63	0	318	2,975	200	6,216	428	2,783
Sherborn	330	160	*	0	29	0	*	51	18	38
Southborough	3,439	244	10	0	84	2,127	109	569	20	276
Stow	805	180	*	0	56	68	39	160	*	*
Sudbury	7,186	742	132	0	164	*	*	1,542	53	629
Wayland	2,948	578	0	0	*	0	0	0	0	408

* Confidential

Source: Massachusetts Division of Employment Security; Employment and Wages Cities and Towns 1980 - ES 202.

Table 28
Covered Employment by CETA Area - 1980
Milford LMA

Area	Total Employed	Government	Agriculture Forestry Fisheries	Mining	Contract Construction	Manufacturing	Transp. Comm. Utilities	Wholesale and Retail Trade	Finance Insurance Real Estate	Services
Career-Development Center of South Central Massachusetts (Hopedale Consortium)	19,159	3,102	0	0	628	5,623	649	4,512	559	2,846
Blackstone	718	269	0	0	49	59	21	238	8	74
Douglas	729	151	0	0	22	476	16	23	*	35
Hopedale	940	179	*	0	84	206	*	83	*	19
Mendon	417	32	*	*	29	90	18	177	*	41
Milford	7,186	834	*	0	102	2,219	306	1,815	338	1,559
Millville	56	23	0	0	*	*	0	11	*	*
Northbridge	3,056	386	*	0	*	1,241	24	681	141	566
Sutton	1,286	379	0	*	78	447	86	123	*	*
Upton	2,598	461	*	0	229	*	*	957	43	309
Uxbridge	2,173	388	*	0	35	885	178	404	29	243

* Confidential

Source: Massachusetts Division of Employment Security; Employment and Wages Cities and Towns 1980 - ES-202

IV. Employment Developments and Outlook by Occupation

A. Analysis of Occupational Data

The Division of Employment Security has several systems of occupational data which are compiled from its network of local employment service offices throughout the state. The first of these is the Employment Security Automated Reporting System (ESARS). This system provides data statewide, as well as by SMSA, and local Employment Security offices. In this report we will be using ESARS data from the Boston SMSA, Marlboro and Milford local offices. ESARS contains data on applicant characteristics such as age, sex, education, race and ethnic group; job order characteristics by occupational code, wage and number of openings etc.: and functional activities including placement, counseling, testing, and other services. The second occupational data system is the Labor Market Information Analytical Table Series (LMI-ATS). This data is produced on a monthly basis for the State, and major labor market areas. The data generated is from job openings posted with the Employment Service on the computerized system known as Job Bank. The tables include job bank openings by occupational category, industry, and average pay. In addition there is a table showing educational and experience requirements for frequently listed occupations.

In using the occupational data systems provided by the Division of Employment Security it is important to be aware of the limitations of the data. The obvious deficiency in the data when using it as representative of a certain geographic area is the fact that it counts only employers and job seekers who use the Employment Service local offices to fill job openings or seek work. It reflects activity only in one portion of the labor market. Classified ads, private employment agencies, and inhouse recruiting are other sources of job openings. In addition, jobs listed with Job Bank do not reflect wage rates of positions. The pay rate listed with Job Bank openings are an average of pay offered, generally the minimum wage for a position. Often the actual rate of pay is higher once the position is filled. Applicant information available in ESARS occasionally double counts individuals who register in more than one local office. (Labor Market Area ESARS tables eliminate duplicate counts.) Also difficulties arise when applicants are multi-skilled and qualify for work in more than one occupation. ESARS occupational data does not reflect multi or transferable skill characteristics of applicants.

A regional comparison of job openings Table 36 and average pay Table 37 is provided. These tables list occupational categories for the state and job bank areas. The tables show that Boston had the third highest average salary, and the largest number of job openings.

Table 29
Boston SMSA

03/31/82 MASSACHUSETTS
JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO	ITEM		TOTAL NONAG AND AG	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 AND OVER	AVERAGE	OTHER*
A	B		C	D	E	F	G	H	I	J	K	L	M	N	O
	OPENINGS RECEIVED														
B07010	TOTAL		26192	250	12269	219	2716	1511	1773	441	501	222	5527	5.32	763
B07015	0-1	PROF TECH MGR	5081	6	41	5	66	102	137	55	94	50	4523	9.55	2
B07020	20-24	CLERICAL	5782	9	3161	86	743	528	489	163	125	39	247	4.74	192
B07025	25-29	SALES	3764	14	3476	2	135	34	59	9	15	1	17	3.48	2
B07030	30	DOMESTIC	812	39	611	1	96	8	30	0	3	C	10	3.82	14
B07035	31-39	OTHER SERVICES	4076	167	2544	50	583	353	206	59	51	10	39	3.80	14
B07040	4	FARM F & F	220	0	93	0	86	14	14	2	6	3	1	4.11	1
B07045	5	PROCESSING	168	0	44	4	54	22	20	2	5	6	10	4.56	1
B07050	6	MACHINE TRADES	641	3	131	11	120	68	96	23	50	22	117	5.21	0
B07055	7	BENCH WORK	983	0	407	27	211	101	149	15	25	13	35	4.30	0
B07060	8	STRUCTURAL	1010	0	64	5	93	108	193	56	84	64	343	6.13	0
B07065	90-91	MOTOR FRGT, TRANSP	1417	0	280	5	119	64	291	19	20	10	76	4.85	533
B07070	92	PKG MTRL HNDL	1976	12	1329	23	309	106	70	33	19	1	74	3.96	0
B07075	93-97	OTHER	262	0	88	0	101	3	19	5	4	3	35	4.67	4
	OPENINGS FILLED														
B07085	TOTAL		15710	100	7495	102	1466	591	674	121	190	54	4294	5.51	623
B07090	0-1	PROF TECH MGR	4191	1	19	2	34	39	48	15	23	8	4001	9.72	1
B07095	20-24	CLERICAL	2909	8	1899	32	386	180	139	26	31	8	15	3.76	185
B07100	25-29	SALES	2352	6	2255	1	54	13	11	3	6	1	2	3.41	0
B07105	30	DOMESTIC	610	35	461	0	59	6	23	0	2	0	10	3.87	14
B07110	31-39	OTHER SERVICES	2136	43	1506	28	313	114	81	9	17	1	14	3.71	10
B07115	4	FARM F & F	106	0	25	0	67	2	6	3	1	0	1	4.28	1
B07120	5	PROCESSING	117	0	35	0	43	14	12	1	4	5	2	4.35	1
B07125	6	MACHINE TRADES	293	1	70	6	64	30	41	10	26	7	38	4.94	0
B07130	7	BENCH WORK	357	0	190	9	64	26	37	5	6	4	16	4.16	0
B07135	8	STRUCTURAL	408	1	32	2	52	58	115	16	47	11	74	5.46	0
B07140	90-91	MOTOR FRGT, TRANSP	802	1	122	5	63	31	95	14	14	7	43	4.97	407
B07145	92	PKG MTRL HNDL	1270	4	829	17	194	77	49	16	12	2	70	4.10	0
B07150	93-97	OTHER	159	0	52	0	73	1	17	3	1	0	8	4.28	4
	FEDERAL CONTRACTOR JOB LISTING OPENINGS RECEIVED														
B07160	TOTAL		9521	55	1918	73	522	520	672	193	137	108	4595	7.20	728
B07165	0-1	PROF TECH MGR	4458	2	1	1	11	19	37	26	42	20	4298	9.85	1
B07170	20-24	CLERICAL	1888	1	923	19	162	218	209	82	42	16	26	4.18	190
B07175	25-29	SALES	473	1	451	1	2	10	1	3	3	0	1	3.43	0
B07180	30	DOMESTIC	13	0	13	0	0	0	0	0	0	0	0	3.57	0

*1 OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.

SMSA 1120
MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82

Table 29
Boston SMSA
(continued)

03/31/82 MASSACHUSETTS SMSA 1120

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO	ITEM	TOTAL NONAG AND AG	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 AND OVER	AVERAGE	OTHER*
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
B07185 31-39	OTHER SERVICES	658	49	192	13	100	170	74	13	27	3	13	4.25	4
B07190 4	FARM F & F	72	0	4	0	61	1	4	1	0	1	0	4.49	0
B07195 5	PROCESSING	39	0	1	4	12	10	5	0	3	1	3	4.93	0
B07200 6	MACHINE TRADES	172	2	24	5	28	12	20	14	7	8	52	5.84	0
B07205 7	BENCH WORK	324	0	104	18	79	47	52	6	2	8	8	4.37	0
B07210 8	STRUCTURAL	268	0	12	1	24	7	24	22	5	49	124	6.75	0
B07215 90-91	MOTOR FRGT, TRANSP	858	0	37	0	6	9	240	1	1	0	31	5.35	533
B07220 92	PKG MTRL HNDL	286	0	156	11	37	17	5	23	2	0	35	4.60	0
B07225 93-97	OTHER	12	0	0	0	0	0	1	2	3	2	4	6.74	0
65	FEDERAL CONTRACTOR JOB LISTING OPENINGS FILLED													
B07235	TOTAL	6658	3	1341	29	264	136	165	30	35	13	4050	7.91	593
B07240 0-1	PROF TECH MGR	3991	0	2	1	7	3	8	5	7	3	3954	9.90	1
B07245 20-24	CLERICAL	1061	1	692	7	60	49	48	9	8	1	2	3.67	184
B07250 25-29	SALES	392	0	385	1	1	2	1	0	1	0	1	3.39	0
B07255 30	DOMESTIC	6	0	6	0	0	0	0	0	0	0	0	3.59	0
B07260 31-39	OTHER SERVICES	226	1	94	8	61	36	20	0	3	0	2	4.12	1
B07265 4	FARM F & F	65	0	5	0	60	0	0	0	0	0	0	4.38	0
B07270 5	PROCESSING	18	0	1	0	6	6	2	0	2	1	0	4.72	0
B07275 6	MACHINE TRADES	62	1	11	0	18	6	4	6	5	2	9	5.17	0
B07280 7	BENCH WORK	84	0	33	7	18	12	7	0	1	2	4	4.29	0
B07285 8	STRUCTURAL	50	0	3	0	12	7	5	2	4	3	14	5.69	0
B07290 90-91	MOTOR FRGT, TRANSP	512	0	5	0	4	4	68	0	2	0	22	6.08	407
B07295 92	PKG MTRL HNDL	189	0	104	5	17	10	1	7	2	1	42	5.18	0
B07300 93-97	OTHER	2	0	0	0	0	0	1	1	0	0	0	5.37	0

*1 OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.

SMSA 1120

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82

Boston SMSA

Table 30

_L INDIVIDUALS 03/31/82 MASSACHUSETTS SMSA 1120
CHARACTERISTICS OF APPLICANTS PLACED BY WAGE RATE AT WHICH PLACED

ITEM NO	CHARACTERISTICS OF APPLICANTS	TOTAL APPS PLACED	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 & OVER	AVERAGE	OTHER
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
15010	AGE	10430	102	6376	97	1375	580	676	124	187	51	681	0.00	604
15015	15 AND UNDER	96	11	57	0	22	0	4	0	0	0	1	0.00	7
15020	16-19	2677	58	2156	30	301	83	74	5	7	1	23	0.00	59
15025	20-21	1343	5	925	20	173	72	77	3	15	3	24	0.00	70
15030	22-39	4786	22	2519	34	651	321	409	92	125	40	406	0.00	356
15060	40-54	1091	5	513	9	157	81	81	20	29	4	149	0.00	90
15065	55 AND OVER	437	1	206	4	71	23	31	4	11	3	78	0.00	22
15075	SEX	10430	102	6376	97	1375	580	676	124	187	51	681	0.00	604
15080	MALE	5417	32	2757	65	902	415	485	97	148	44	283	0.00	491
15085	FEMALE	5013	70	3619	32	473	165	191	27	39	7	398	0.00	113
15090	HIGHEST SCHOOL GRADE	10430	102	6376	97	1375	580	676	124	187	51	681	0.00	604
15095	0-7	158	1	94	4	31	10	8	3	2	1	4	0.00	5
15100	8-11	2685	62	1887	38	398	129	112	16	30	9	47	0.00	123
15105	12	4321	23	2487	42	649	304	357	52	81	23	148	0.00	326
15110	OVER 12	3266	16	1908	13	297	137	199	53	74	18	482	0.00	150
15115	RESIDENCE	10430	102	6376	97	1375	580	676	124	187	51	681	0.00	604
15120	URBAN	10352	102	6332	95	1363	576	669	122	186	51	676	0.00	602
15125	RURAL	78	0	44	2	12	4	7	2	1	0	5	0.00	2
15130	RACE/ETHNIC	10430	102	6376	97	1375	580	676	124	187	51	681	0.00	604
15135	WHITE (NOT HISPANIC)	8552	97	5106	77	1122	466	613	111	171	45	623	0.00	457
15140	BLACK (NOT HISPANIC)	1370	5	942	13	172	79	47	11	12	2	46	0.00	114
15145	HISPANIC	274	0	170	5	46	13	11	1	3	3	7	0.00	26
15150	AMERICAN INDIAN & ALASKAN NATIVE	11	0	6	0	1	1	3	0	0	0	0	0.00	0
15155	ASIAN & PACIFIC ISL.	113	0	69	2	20	9	1	1	1	1	4	0.00	7
15160	INA	110	0	83	0	14	12	1	0	0	0	1	0.00	0
15165	ELIGIBLE CLAIMANT	1050	4	341	9	221	100	152	34	56	22	114	0.00	46
15170	STATE	996	4	322	9	205	93	148	34	51	21	112	0.00	45
15171	EXTENDED BENEFIT	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15175	VETERAN	1204	2	417	9	224	153	153	47	68	10	125	0.00	93
15185	DISABLED	76	0	24	0	13	10	15	1	8	0	4	0.00	4
15190	VIETNAM ERA	473	1	139	2	88	63	74	26	29	5	47	0.00	35
15196	UNDER 35	361	1	111	2	64	53	58	22	22	4	29	0.00	27
15200	SPECIAL VETERAN	129	0	33	1	24	15	20	9	10	0	17	0.00	7
15205	OTHER ELIG VET PREF	5	0	0	0	1	0	1	0	1	1	1	0.00	0
15210	HANDICAPPED	201	1	82	4	36	21	32	4	10	0	9	0.00	9
15230	ECON DISADVANTAGED	1232	7	698	17	215	90	100	24	26	5	39	0.00	67
15240	WELFARE	446	4	241	3	69	36	45	9	10	4	17	0.00	18
15245	WIN	419	4	220	3	65	35	45	9	10	4	17	0.00	17
15250	CETA PARTICIPANT	18	0	9	1	2	2	1	1	2	0	0	0.00	0
15275	SEASONAL FARMWORKER	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15280	MIGRANT FARMWORKER	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15285	MIGRANT FOOD PROCESS WORKER	0	0	0	0	0	0	0	0	0	0	0	0.00	0

SMSA 1120

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82

Table 31
Marlborough Local Office

03/31/82 MASSACHUSETTS

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO	ITEM	TOTAL NONAG AND AG	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 AND OVER	AVERAGE	OTHER*
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	OPENINGS RECEIVED													
B07010	TOTAL	962	9	274	13	177	125	117	27	25	13	160	5.15	2
B07015	0-1 PROF TECH MGR	147	0	0	0	1	1	4	1	5	1	134	8.95	0
B07020	20-24 CLERICAL	198	0	77	4	37	21	24	16	5	4	10	4.43	0
B07025	25-29 SALES	102	0	62	0	7	3	26	1	2	0	1	3.98	0
B07030	30 DOMESTIC	3	0	1	0	0	0	2	0	0	0	0	4.45	0
B07035	31-39 OTHER SERVICES	114	9	36	0	37	22	6	0	1	0	1	4.10	2
B07040	4 FARM F & F	27	0	23	0	0	3	1	0	0	0	0	3.69	0
B07045	5 PROCESSING	13	0	3	0	4	1	3	1	1	0	0	4.58	0
B07050	6 MACHINE TRADES	56	0	16	1	5	8	7	0	2	4	13	5.23	0
B07055	7 BENCH WORK	178	0	33	2	51	61	21	4	1	0	5	4.45	0
B07060	8 STRUCTURAL	59	0	0	3	18	2	9	2	7	4	14	5.90	0
B07065	90-91 MOTOR FRGT, TRANSP	24	0	9	0	1	2	10	1	1	0	0	4.40	0
B07070	92 PKG MTRL HNDL	40	0	13	3	16	1	4	1	0	0	2	4.31	0
B07075	93-97 OTHER	1	0	1	0	0	0	0	0	0	0	0	3.75	0
	OPENINGS FILLED													
B07085	TOTAL	421	3	100	11	88	43	55	12	6	7	37	4.77	59
B07090	0-1 PROF TECH MGR	15	0	0	0	0	0	2	1	2	1	9	8.14	0
B07095	20-24 CLERICAL	135	0	12	2	25	12	16	8	1	0	2	4.54	57
B07100	25-29 SALES	11	0	8	0	1	0	1	0	0	0	0	3.63	1
B07105	30 DOMESTIC	2	0	0	0	0	0	2	0	0	0	0	5.00	0
B07110	31-39 OTHER SERVICES	66	3	24	0	18	16	4	0	1	0	0	4.00	0
B07115	4 FARM F & F	7	0	6	0	0	0	0	0	0	0	0	3.43	1
B07120	5 PROCESSING	4	0	0	0	1	1	2	0	0	0	0	4.83	0
B07125	6 MACHINE TRADES	43	0	13	1	2	7	7	0	0	3	10	5.22	0
B07130	7 BENCH WORK	54	0	20	2	22	4	3	1	1	0	1	4.12	0
B07135	8 STRUCTURAL	27	0	0	4	6	2	6	0	1	3	5	5.62	0
B07140	90-91 MOTOR FRGT, TRANSP	21	0	5	0	0	1	8	1	0	0	6	6.27	0
B07145	92 PKG MTRL HNDL	35	0	11	2	13	0	4	1	0	0	4	4.76	0
B07150	93-97 OTHER	1	0	1	0	0	0	0	0	0	0	0	3.75	0
	FEDERAL CONTRACTOR JOB LISTING OPENINGS RECEIVED													
B07160	TOTAL	276	0	26	0	37	72	11	12	6	6	106	6.36	0
B07165	0-1 PROF TECH MGR	99	0	0	0	0	0	1	1	2	0	95	9.15	0
B07170	20-24 CLERICAL	43	0	4	0	12	11	3	9	1	1	2	4.89	0
B07175	25-29 SALES	4	0	0	0	0	2	0	0	2	0	0	5.53	0
B07130	30 DOMESTIC	0	0	0	0	0	0	0	0	0	0	0	0.00	0

*1 OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.

LOCAL OFFICE 2129

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82

Table 31[1]
Marlborough Local Office
(continued)

03/31/82 MASSACHUSETTS
JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO		ITEM	TOTAL NONAG AND AG.	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 AND OVER	AVERAGE	OTHER*
A		B	C	D	E	F	G	H	I	J	K	L	M	N	O
B07185	31-39	OTHER SERVICES	25	0	3	0	15	6	1	0	0	0	0	4.26	0
B07190	4	FARM F & F	2	0	2	0	0	0	0	0	0	0	0	3.35	0
B07195	5	PROCESSING	3	0	0	0	1	0	2	0	0	0	0	5.08	0
B07200	6	MACHINE TRADES	12	0	3	0	2	3	0	0	1	3	0	4.85	0
B07205	7	BENCH WORK	79	0	14	0	5	50	4	2	0	0	4	4.56	0
B07210	8	STRUCTURAL	6	0	0	0	0	0	0	0	0	2	4	8.81	0
B07215	90-91	MOTOR FRGT, TRANSP	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07220	92	PKG MTRL HNDL	3	0	0	0	2	0	0	0	0	0	1	6.05	0
B07225	93-97	OTHER	0	0	0	0	0	0	0	0	0	0	0	0.00	0
		FEDERAL CONTRACTOR JOB LISTING OPENINGS FILLED													
B07235	TOTAL		135	0	18	0	9	16	6	7	1	1	20	5.83	57
B07240	0-1	PROF.TECH MGR	6	0	0	0	0	0	1	1	0	0	4	8.91	0
B07245	20-24	CLERICAL	78	0	3	0	4	6	1	5	0	0	2	4.97	57
B07250	25-29	SALES	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07255	30	DOMESTIC	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07260	31-39	OTHER SERVICES	12	0	1	0	3	6	2	0	0	0	0	4.58	0
B07265	4	FARM F & F	2	0	2	0	0	0	0	0	0	0	0	3.35	0
B07270	5	PROCESSING	2	0	0	0	0	0	2	0	0	0	0	5.40	0
B07275	6	MACHINE TRADES	6	0	0	0	0	2	0	0	0	1	3	6.79	0
B07280	7	BENCH WORK	15	0	12	0	0	2	0	1	0	0	0	3.83	0
B07285	8	STRUCTURAL	2	0	0	0	0	0	0	0	1	0	1	6.75	0
B07290	90-91	MOTOR FRGT, TRANSP	6	0	0	0	0	0	0	0	0	0	6	10.74	0
B07295	92	PKG MTRL HNDL	6	0	0	0	2	0	0	0	0	0	4	8.10	0
B07300	93-97	OTHER	0	0	0	0	0	0	0	0	0	0	0	0.00	0

*I OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.
LOCAL OFFICE 2129 MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82

Table 32
Marlborough Local Office

.L INDIVIDUALS 03/31/82 MASSACHUSETTS
CHARACTERISTICS OF APPLICANTS PLACED BY WAGE RATE AT WHICH PLACED

ITEM NO	CHARACTERISTICS OF APPLICANTS	TOTAL APPS PLACED	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 & OVER	AVERAGE	OTHER
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
15010	AGE	391	8	119	9	83	40	48	10	12	5	30	0.00	49
15015	15 AND UNDER	1	0	0	0	0	0	1	0	0	0	0	0.00	0
15020	16-19	70	4	37	3	16	6	5	1	0	0	0	0.00	0
15025	20-21	61	1	27	3	16	4	7	0	2	1	2	0.00	2
15030	22-39	207	3	41	3	45	21	31	8	6	3	23	0.00	36
15060	40-54	37	0	11	0	6	7	2	1	3	1	3	0.00	6
15065	55 AND OVER	15	0	3	0	0	2	2	0	1	0	2	0.00	5
15075	SEX	391	8	119	9	83	40	48	10	12	5	30	0.00	49
15080	MALE	238	6	66	3	50	26	35	4	7	5	24	0.00	25
15085	FEMALE	153	2	53	6	33	14	13	6	5	0	6	0.00	24
15090	HIGHEST SCHOOL GRADE	391	8	119	9	83	40	48	10	12	5	30	0.00	49
15095	0-7	1	0	1	0	0	0	0	0	0	0	1	0.00	0
15100	8-11	90	4	43	4	20	10	6	0	1	1	1	0.00	6
15105	12	219	4	66	4	43	18	35	7	8	3	14	0.00	27
15110	OVER 12	81	0	9	1	20	12	7	3	3	1	14	0.00	16
15115	RESIDENCE	391	8	119	9	83	40	48	10	12	5	30	0.00	49
15120	URBAN	355	7	110	8	77	35	43	8	8	4	29	0.00	45
15125	RURAL	36	1	9	1	6	5	5	2	4	1	1	0.00	4
15130	RACE/ETHNIC	391	8	119	9	83	40	48	10	12	5	30	0.00	49
15135	WHITE (NOT HISPANIC)	374	8	111	9	81	38	46	9	12	5	28	0.00	48
15140	BLACK (NOT HISPANIC)	6	0	2	0	0	1	1	1	0	0	1	0.00	0
15145	HISPANIC	9	0	5	0	2	1	1	0	0	0	0	0.00	0
15150	AMERICAN INDIAN & ALASKAN NATIVE	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15155	ASIAN & PACIFIC ISL.	2	0	1	0	0	0	0	0	0	0	1	0.00	1
15160	INA	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15165	ELIGIBLE CLAIMANT	93	1	21	0	19	9	17	3	8	2	7	0.00	9
15170	STATE	91	1	21	0	18	9	16	3	8	2	7	0.00	9
15171	EXTENDED BENEFIT	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15175	VETERAN	51	1	3	0	5	10	14	1	5	0	9	0.00	4
15185	DISABLED	1	0	1	0	0	0	0	0	0	0	0	0.00	0
15190	VIETNAM ERA	18	0	0	0	1	3	8	0	0	0	4	0.00	2
15196	UNDER 35	16	0	0	0	1	3	7	0	0	0	3	0.00	2
15200	SPECIAL VETERAN	8	0	0	0	0	2	4	0	0	0	1	0.00	1
15205	OTHER ELIG VET PREF	6	0	3	0	1	1	1	0	0	0	0	0.00	2
15210	HANDICAPPED	22	2	12	0	4	2	0	0	0	1	1	0.00	0
15230	ECON DISADVANTAGED	28	0	12	1	7	3	3	1	1	0	0	0.00	1
15240	WELFARE	2	0	1	0	0	0	0	0	0	0	0	0.00	1
15245	WIN	1	0	0	0	0	0	0	0	0	0	0	0.00	1
15250	CETA PARTICIPANT	2	0	0	0	1	0	0	1	0	0	0	0.00	0
15275	SEASONAL FARMWORKER	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15280	MIGRANT FARMWORKER	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15285	MIGRANT FOOD PROCESS WORKER	0	0	0	0	0	0	0	0	0	0	0	0.00	0

LOCAL OFFICE 2129

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82

Table 33
Milford Local Office

03/31/82 MASSACHUSETTS

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO	ITEM		TOTAL NONAG AND AG	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 AND OVER	AVERAGE	OTHER*
A	B		C	D	E	F	G	H	I	J	K	L	M	N	O
	OPENINGS RECEIVED														
B07010	TOTAL		726	9	142	2	172	48	53	23	16	5	88	5.08	168
B07015	0-1	PROF TECH MGR	58	0	1	0	1	1	9	4	7	1	34	7.78	0
B07020	20-24	CLERICAL	239	0	34	1	11	21	12	5	0	0	0	4.20	155
B07025	25-29	SALES	16	0	7	0	2	0	3	0	0	0	4	5.40	0
B07030	30	DOMESTIC	4	0	3	0	0	1	0	0	0	0	0	3.71	0
B07035	31-39	OTHER SERVICES	137	9	38	1	64	7	1	4	0	0	1	3.84	12
B07040	4	FARM F & F	2	0	1	0	0	0	1	0	0	0	0	4.23	0
B07045	5	PROCESSING	9	0	4	0	0	1	1	1	0	0	2	5.02	0
B07050	6	MACHINE TRADES	37	0	6	0	4	2	8	3	4	3	7	5.60	0
B07055	7	BENCH WORK	27	0	19	0	1	2	4	0	1	0	0	3.95	0
B07060	8	STRUCTURAL	61	0	2	0	9	3	8	2	3	0	33	8.30	1
B07065	90-91	MOTOR FRGT, TRANSP	12	0	4	0	1	3	2	1	1	0	0	4.47	0
B07070	92	PKG MTRL HNDL	120	0	23	0	79	7	2	2	0	1	6	4.22	0
B07075	93-97	OTHER	4	0	0	0	0	0	2	1	0	0	1	6.25	0
	OPENINGS FILLED														
B07085	TOTAL		544	1	202	1	64	37	26	18	8	3	29	4.41	155
B07090	0-1	PROF TECH MGR	9	0	1	0	0	0	1	1	1	0	5	7.70	0
B07095	20-24	CLERICAL	263	0	82	1	5	15	4	3	0	0	0	3.79	153
B07100	25-29	SALES	74	0	67	0	2	0	2	0	0	0	3	3.85	0
B07105	30	DOMESTIC	3	0	2	0	0	1	0	0	0	0	0	3.73	0
B07110	31-39	OTHER SERVICES	48	1	23	0	12	5	0	4	0	0	1	3.99	2
B07115	4	FARM F & F	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07120	5	PROCESSING	8	0	4	0	0	1	1	1	0	0	1	4.68	0
B07125	6	MACHINE TRADES	29	0	6	0	5	1	6	5	0	2	4	5.24	0
B07130	7	BENCH WORK	19	0	7	0	1	3	5	0	3	0	0	4.55	0
B07135	8	STRUCTURAL	27	0	1	0	7	3	3	1	3	0	9	6.78	0
B07140	90-91	MOTOR FRGT, TRANSP	8	0	1	0	1	2	2	1	1	0	0	4.84	0
B07145	92	PKG MTRL HNDL	54	0	8	0	31	6	1	1	0	1	6	4.49	0
B07150	93-97	OTHER	2	0	0	0	0	0	1	1	0	0	0	5.33	0
	FEDERAL CONTRACTOR JOB LISTING OPENINGS RECEIVED														
B07160	TOTAL		282	0	22	0	28	14	13	6	6	2	36	6.10	155
B07165	0-1	PROF TECH MGR	30	0	0	0	0	1	8	3	3	0	15	7.97	0
B07170	20-24	CLERICAL	171	0	1	0	3	7	3	2	0	0	0	4.65	155
B07175	25-29	SALES	1	0	0	0	0	0	0	0	0	0	1	7.50	0
B07180	30	DOMESTIC	0	0	0	0	0	0	0	0	0	0	0	0.00	0

*1 OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.

LOCAL OFFICE 2126

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82

Table 33
Milford Local Office
(Continued)

03/31/82 MASSACHUSETTS

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO	ITEM	TOTAL NONAG AND AG.	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 AND OVER	AVERAGE	OTHER*
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
B07185 31-39	OTHER SERVICES	31	0	8	0	21	1	1	0	0	0	0	3.97	0
B07190 4	FARM F & F	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07195 5	PROCESSING	3	0	0	0	0	1	0	0	0	0	2	6.48	0
B07200 6	MACHINE TRADES	12	0	3	0	1	0	0	0	3	2	3	5.91	0
B07205 7	BENCH WORK	4	0	3	0	0	1	0	0	0	0	0	4.01	0
B07210 8	STRUCTURAL	11	0	0	0	0	1	1	0	0	0	9	11.54	0
B07215 90-91	MOTOR FRGT, TRANSP	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07220 92	PKG MTRL HNDL	18	0	7	0	3	2	0	0	0	0	6	5.08	0
B07225 93-97	OTHER	1	0	0	0	0	0	0	1	0	0	0	5.55	0
FEDERAL CONTRACTOR JOB LISTING OPENINGS FILLED														
B07235 TOTAL		196	0	7	0	6	12	3	2	0	1	12	5.60	153
B07240 0-1	PROF TECH MGR	1	0	0	0	0	0	0	0	0	0	1	9.13	0
B07245 20-24	CLERICAL	162	0	1	0	0	7	0	1	0	0	0	4.59	153
B07250 25-29	SALES	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07255 30	DOMESTIC	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07260 31-39	OTHER SERVICES	4	0	1	0	3	0	0	0	0	0	0	4.03	0
B07265 4	FARM F & F	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07270 5	PROCESSING	2	0	0	0	0	1	0	0	0	0	1	5.83	0
B07275 6	MACHINE TRADES	7	0	3	0	1	0	1	0	0	1	1	4.92	0
B07280 7	BENCH WORK	2	0	0	0	0	1	1	0	0	0	0	5.11	0
B07285 8	STRUCTURAL	5	0	0	0	0	1	1	0	0	0	3	8.74	0
B07290 90-91	MOTOR FRGT, TRANSP	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07295 92	PKG MTRL HNDL	12	0	2	0	2	2	0	0	0	0	6	5.74	0
B07300 93-97	OTHER	1	0	0	0	0	0	0	1	0	0	0	5.55	0

*1 OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.

LOCAL OFFICE 2126

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82

Table 34
Milford Local Office

ALL INDIVIDUALS 03/31/82 MASSACHUSETTS
CHA STICS OF APPLICANTS PLACED BY WAGE RATE AT WHICH PLACED

ITE ID	CHARACTERISTICS OF APPLICANTS	TOTAL APPS PLACED	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 & OVER	AVERAGE	OTHER
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
15010	AGE	544	1	203	4	75	40	28	17	7	4	29	0.00	154
15015	15 AND UNDER	1	0	0	0	0	0	0	0	0	0	0	0.00	1
15020	16-19	108	0	78	0	11	7	2	0	0	0	0	0.00	11
15025	20-21	66	0	24	1	22	4	2	0	0	2	0	0.00	16
15030	22-39	265	0	77	2	34	21	19	14	6	1	19	0.00	82
15060	40-54	73	1	13	1	5	7	4	3	0	1	6	0.00	33
15065	55 AND OVER	31	0	11	0	3	1	1	0	1	0	4	0.00	11
15075	SEX	544	1	203	4	75	40	28	17	7	4	29	0.00	154
15080	MALE	303	0	67	1	59	25	25	15	6	4	28	0.00	86
15085	FEMALE	241	1	136	3	16	15	3	2	1	0	1	0.00	68
15090	HIGHEST SCHOOL GRADE	544	1	203	4	75	40	28	17	7	4	29	0.00	154
15095	0-7	2	0	2	0	0	0	0	0	0	0	0	0.00	0
15100	8-11	117	1	72	1	11	7	2	1	1	1	5	0.00	17
15105	12	316	0	111	2	43	25	16	13	3	3	12	0.00	96
15110	OVER 12	109	0	18	1	21	8	10	3	3	0	12	0.00	41
15115	RESIDENCE	544	1	203	4	75	40	28	17	7	4	29	0.00	154
15120	URBAN	371	1	146	2	49	28	18	8	5	4	23	0.00	97
15125	RURAL	173	0	57	2	26	12	10	9	2	0	6	0.00	57
15130	RACE/ETHNIC	544	1	203	4	75	40	28	17	7	4	29	0.00	154
15135	WHITE (NOT HISPANIC)	542	1	202	4	74	40	28	17	7	4	29	0.00	154
15140	BLACK (NOT HISPANIC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15145	HISPANIC	2	0	1	0	1	0	0	0	0	0	0	0.00	0
15150	AMERICAN INDIAN & ALASKAN NATIVE	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15155	ASIAN & PACIFIC ISL.	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15160	INA	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15165	ELIGIBLE CLAIMANT	132	0	49	2	19	14	14	5	4	2	16	0.00	10
15170	STATE	132	0	49	2	19	14	14	5	4	2	16	0.00	10
15171	EXTENDED BENEFIT	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15175	VETERAN	108	0	16	1	18	12	17	10	4	3	18	0.00	12
15185	DISABLED	3	0	0	0	1	1	1	0	0	0	0	0.00	1
15190	VIETNAM ERA	44	0	4	0	5	4	6	5	2	0	11	0.00	7
15196	UNDER 35	34	0	3	0	3	4	6	4	2	0	7	0.00	5
15200	SPECIAL VETERAN	13	0	3	0	3	0	3	2	0	0	0	0.00	2
15205	OTHER ELIG VET PREF	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15210	HANDICAPPED	10	0	2	1	2	2	2	0	1	0	0	0.00	2
15230	ECON DISADVANTAGED	20	0	6	1	3	0	1	2	1	0	0	0.00	6
15240	WELFARE	11	0	2	1	2	0	0	2	0	0	0	0.00	4
15245	WIN	8	0	1	0	2	0	0	1	0	0	0	0.00	4
15250	CETA PARTICIPANT	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15275	SEASONAL FARMWORKER	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15280	MIGRANT FARMWORKER	0	0	0	0	0	0	0	0	0	0	0	0.00	0
15285	MIGRANT FOOD PROCESS WORKER	0	0	0	0	0	0	0	0	0	0	0	0.00	0

LOCAL OFFICE 2126

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82

Table 35

MARCH, 1982

MA,BOSTON METRO

BOSTON METRO MA
EMPLOYER REQUIREMENTS
FOR FREQUENTLY LISTED OCCUPATIONS

OPENINGS IN FREQ. LIST. OCC.

DOT CODE AND EMPLOYER JOB TITLE	OPENINGS AVAILABLE	YEARS EDUCATION REQUIRED 0-11	12	13-15	16	17+	MONTHS EXPERIENCE REQUIRED 0	1-6	7-12	13-24	25+
**** TOTAL	478										
PROFESSIONAL, TECHNICAL & MANAGERIAL OCC.											
003161014 ELECTRONICS TECHNICIAN	33	0	33	0	0	0	0	0	31	2	0
CLERICAL & SALES OCCUPATIONS											
201362030 SECRETARY	32	8	23	1	0	0	2	4	10	8	8
203362010 CLERK-TYPIST	47	7	40	0	0	0	6	20	12	7	2
SERVICE OCCUPATIONS											
318687010 KITCHEN HELPER	41	36	5	0	0	0	17	24	0	0	0
321137010 HOUSEKEEPER	50	50	0	0	0	0	0	50	0	0	0
354377014 HOME ATTENDANT	22	2	20	0	0	0	20	2	0	0	0
355674014 NURSE AIDE	23	21	2	0	0	0	0	22	1	0	0
372667034 GUARD, SECURITY	46	13	33	0	0	0	29	6	11	0	0
381687014 CLEANER,COMMERCIAL	21	21	0	0	0	0	13	4	2	2	0
PROCESSING OCCUPATIONS											
529686070 GEN.PRODUCTION WORKER	32	2	30	0	0	0	1	30	1	0	0
MACHINES TRADES OCCUPATIONS											
623281030 MACHINIST, OUTSIDE	25	25	0	0	0	0	0	0	0	0	25
BENCH WORK OCCUPATIONS											
726684018 ELECTRONICS ASSEMBLER	22	22	0	0	0	0	2	10	10	0	0

Table 35
(continued)

MARCH, 1982

MA,BOSTON METRO

BOSTON METRO,MA
EMPLOYER REQUIREMENTS
FOR FREQUENTLY LISTED OCCUPATIONS

OPENINGS IN FREQ. LIST. OCC.

DOT CODE AND EMPLOYER JOB TITLE	OPENINGS AVAILABLE	YEARS EDUCATION REQUIRED					MONTHS EXPERIENCE REQUIRED				
		0-11	12	13-15	16	17+	0	1-6	7-12	13-24	25+
729687010 CONTACT ASSEMBLER	24	24	0	0	0	0	24	0	0	0	0
STRUCTURAL WORK OCCUPATIONS											
813382010 BRAZER, INDUCTION	40	0	40	0	0	0	0	0	40	0	0
MISCELLANEOUS OCCUPATIONS											
922687058 LABORER, STORES	20	19	1	0	0	0	8	12	0	0	0

Table 36
Job Bank Openings
By Selected Occupational Category
March 1982

Occupational Title	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill	Lowell	New Bedford	Pittsfield	Springfield* Chicopee Holyoke	Worcester	Balance of State
TOTAL ALL OCCUPATIONS	5099	1943	102	98	193	104	195	92	434	449	1161
Professional, Technical, Managerial	682	195	4	12	19	9	9	11	110	18	111
Architect & Engineering	45	13	--	1	2	1	4	4	12	1	10
Math. & Physical Science	20	7	1	--	--	1	--	--	5	3	2
Life & Social Sciences	20	9	--	--	--	--	2	1	3	1	6
Medicine & Health	225	10	--	--	8	--	--	1	7	4	12
Education	35	11	--	3	1	4	--	--	10	2	4
Museum Library	2	--	--	--	--	--	--	--	2	--	--
Law, Jurisprudence	2	--	--	--	--	--	--	--	5	--	--
Writing	3	1	--	--	--	--	--	--	1	--	1
Art	3	1	--	--	--	--	--	--	--	1	1
Entertainment	6	2	1	--	--	--	--	--	1	1	1
Administrative Specialists	81	46	2	4	1	--	3	1	12	1	9
Managers & Officials n.e.c.	102	39	--	3	3	--	--	4	23	3	25
Miscellaneous, Prof., Tech., Mgr.	38	7	--	1	4	2	--	--	17	1	6
Clerical and Sales	1163	490	22	11	47	28	16	9	191	96	302
Stenography, Typing & Related	339	174	3	2	16	2	2	2	36	23	74
Computing & Acct. Recording	279	90	9	4	8	7	4	2	73	63	58
Prod. & Stock Clerk	120	50	--	--	10	9	6	1	29	--	32
Information Distr.	75	50	2	1	2	3	--	--	1	3	11
Miscellaneous Clerical	23	10	3	2	2	--	1	1	1	--	3
Sales Persons Services	57	24	--	1	3	1	--	3	13	1	13
Sales Persons, Commodities n.e.c.	108	60	2	1	1	--	2	--	7	4	29
Miscellaneous Sales	149	25	3	--	5	6	1	--	30	2	80
Service	1109	512	9	11	22	8	28	14	31	161	150
Domestic Service	43	20	--	--	--	--	--	--	2	16	2
Food & Beverage Preparation	357	184	--	6	4	--	19	4	8	67	58
Lodging & Related Service	140	86	--	--	--	--	--	3	3	50	1

Table 36
Job Bank Openings
By Selected Occupational Category
March 1982
(continued)

Occupational Title	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill	Lowell	New Bedford	Pittsfield	Springfield * Chicopee Holyoke	Worcester	Balance of State
Service (continued)											
Miscellaneous Personal Service	303	47	3	5	7	--	2	2	3	12	60
Protective Services	134	96	1	--	2	--	7	2	13	6	14
Building & Related Service	106	65	--	--	8	--	--	3	2	8	14
Apparel/Furnishings Service	21	--	5	--	1	--	--	--	--	2	1
Farming, Fishing, Forestry	156	87	--	--	2	--	20	3	7	7	34
Plant Farming	134	73	--	--	2	--	40	2	1	6	31
Animal Farming	3	--	--	--	--	--	--	1	2	1	1
Forestry	16	14	--	--	--	--	--	--	4	--	--
Processing	116	44	2	9	4	2	--	--	10	4	37
Metal	16	3	--	1	--	2	--	--	--	--	10
Food, Tobacco	42	33	--	--	--	--	--	--	2	1	5
Chemicals, Plastics, Synthetics	39	5	--	8	--	--	--	--	6	3	18
Stone, Clay, Glass	4	--	--	--	--	--	--	--	--	--	4
Leather and Textiles	12	--	2	--	4	--	--	--	--	--	--
Processing Occupations n.e.c.	3	3	--	--	--	--	--	--	--	--	--
Machine Trades	429	144	11	13	35	21	13	4	22	27	126
Metal Machining	99	30	3	3	9	5	5	--	5	7	27
Metal Working n.e.c.	32	17	3	--	2	1	--	2	--	--	9
Mechanics & Machinery Repairers	134	70	3	5	2	3	7	--	9	12	15
Printing & Paperworking	28	9	--	--	--	--	--	2	6	1	8
Wood Machining	14	1	--	5	1	--	--	--	--	2	5
Textiles	31	--	--	--	1	3	1	--	1	3	21
Machine Trades n.e.c.	91	17	2	--	20	8	--	--	1	2	41
Benchwork	583	180	53	16	12	10	52	42	23	24	165
Metal Products	33	12	--	--	1	--	1	8	2	2	9
Scientific & Electrical Equipment	239	79	4	4	1	7	40	--	--	2	81
Plastics, Synthetic, Rubber	11	--	--	2	2	--	--	--	--	1	8
Stone and Wood Products	17	3	--	--	1	--	--	--	--	1	12
Textile, Leather	262	83	47	10	7	--	11	25	3	18	50
Benchwork Occupations n.e.c.	11	--	2	--	1	--	--	9	--	--	--

Table 36
Job Bank Openings
By Selected Occupational Category
March 1982
(continued)

Occupational Title	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill	Lowell	New Bedford	Pittsfield	Springfield* Chicopee Holyoke	Worcester	Balance of State
Structural Work	392	173	1	11	40	24	21	6	26	18	70
Metal Fabrication	56	24	--	3	4	6	2	1	2	6	8
Welders	62	45	--	--	1	2	8	--	--	1	4
Electrical	103	57	--	2	5	11	--	--	14	6	18
Painting	28	17	--	--	--	--	--	--	8	1	2
Excavating, Grading etc.	3	--	--	--	--	--	--	--	--	1	--
Construction Occupations n.e.c.	118	25	--	4	24	--	10	4	1	2	34
Structural Occupations n.e.c.	22	5	1	2	6	5	1	1	1	1	4
Miscellaneous	469	118	--	15	12	2	36	3	14	94	166
Motor Freight Occupations	58	23	--	--	3	--	4	--	5	5	15
Transportation Occupations	35	16	--	2	2	--	--	--	--	1	14
Packing, Material Handling	349	71	--	11	1	1	32	3	4	87	129
Production, Distribution of Util.	16	3	--	2	--	--	--	--	4	--	5
Graphic Art Work	10	4	--	--	--	1	--	--	1	1	3

Source: Labor Market Information Analytical Table Series

* Springfield-Chicopee-Holyoke data for February 1982

Table 37

Average Pay by Selected Occupational Category
Massachusetts Job Banks
March 1982

Occupational Title	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill	Lowell	New Bedford	Pittsfield	Springfield Chicopee Holyoke	Worcester	Balance of State
TOTAL ALL OCCUPATIONS	$10,220	$10,459	$ 9,479	$ 9,589	$11,232	$ 9,774	$ 8,957	$ 8,881	$10,519	$ 8,678	$ 9,852
Professional, Technical, Managerial	15,640	17,068	14,852	12,384	19,406	17,639	14,143	15,466	14,178	15,942	15,523
Architecht and Engineering	20,783	24,056	--	--	24,356	34,008	16,625	20,667	16,603	25,000	19,959
Math and Physical Science	19,398	21,209	14,547	--	--	22,000	--	--	15,508	23,000	18,762
Life and Social Sciences	13,761	17,550	--	--	--	--	10,192	10,000	11,667	11,000	10,425
Medicine and Health	15,176	12,918	--	--	17,680	--	--	12,168	11,869	14,560	14,928
Education	13,418	12,691	--	8,579	7,800	15,625	--	--	13,918	17,084	16,506
Museum Library	10,700	--	--	--	--	--	--	--	9,400	--	--
Law, Jurisprudence	8,684	--	--	--	--	--	--	--	9,261	--	--
Writing	13,773	20,000	--	--	--	--	--	--	11,700	--	9,620
Art	12,060	18,500	--	--	--	--	--	--	--	9,360	8,320
Entertainment	15,459	18,928	20,800	--	--	--	--	--	10,400	13,000	10,700
Administrative Specialists	14,535	14,566	12,031	--	16,000	--	13,467	25,000	17,458	--	13,484
Managers and Officials n.e.c.	13,536	16,156	--	15,333	17,553	--	--	10,656	14,045	13,280	12,188
Miscellaneous, Prof., Tech., Mgr.	11,684	13,214	--	14,950	--	13,788	--	--	10,218	11,400	12,267
Clerical and Sales	9,001	9,419	9,296	8,356	10,228	8,423	7,668	8,073	8,050	8,920	8,577
Stenography, Typing and Related	9,321	9,679	10,053	8,424	10,776	10,250	8,922	7,540	8,898	9,085	8,672
Computing and Acct. Recording	8,435	8,826	9,245	7,722	10,086	8,908	7,826	8,939	7,435	8,533	7,777
Production and Stock Clerk	9,209	10,383	--	--	8,705	7,962	7,107	10,400	7,036	--	8,866
Information Distr.	9,100	9,482	7,124	6,968	8,164	7,869	--	--	7,176	8,749	8,655
Miscellaneous Clerical	10,076	10,866	9,185	9,880	10,400	--	9,991	8,398	9,877	--	8,907
Salespersons Services	11,191	10,508	--	--	15,600	10,400	--	6,968	12,031	7,800	10,975
Salespersons, Commodities n.e.c.	9,139	8,361	18,000	9,100	6,968	--	6,968	--	11,800	12,950	10,325
Miscellaneous Sales	8,078	8,586	7,349	--	9,984	7,887	6,968	--	7,579	11,960	7,903
Service	$ 4.27/hr	$4.28/hr	$4.77/hr	$3.65/hr	$4.20/hr	$3.64/hr	$3.66/hr	$4.02/hr	$4.48/hr	$3.72/hr	$4.76/hr
Domestic Service	3.53	3.62	--	--	--	--	--	--	3.45	3.35	5.00
Food and Beverage Preparation	4.11	4.35	--	3.35	3.63	--	3.73	4.44	3.86	3.51	4.39
Lodging and Related Service	4.28	4.49	--	--	--	--	--	3.35	3.45	4.00	3.50
Miscellaneous Personal Service	4.56	4.05	3.61	4.00	--	--	3.35	3.50	3.35	3.94	5.33
Protective Services	4.24	4.23	9.13	--	3.60	--	3.56	4.00	5.54	3.50	4.34
Building and Related Service	4.33	4.36	--	--	4.42	--	--	4.51	4.00	4.14	4.08

Table 37

Average Pay by Selected Occupational Category
Massachusetts Job Banks
March 1982
(continued)

Occupational Title	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill	Lowell	New Bedford	Pittsfield	Springfield* Chicopee Holyoke	Worcester	Balance of State
Farming, Fishing, Forestry	$3.97/hr	$3.91/hr	$--	$--	$3.55/hr	$--	$3.44/hr	$3.58/hr	$4.20/hr	$4.05/hr	$4.40/hr
Plant Farming	3.90	3.96	--	--	3.55	--	3.44	3.70	4.80	4.16	4.04
Animal Farming	3.38	--	--	--	--	--	--	3.35	3.90	3.40	NA
Forestry	10.00	3.68	--	--	--	--	--	--	--	--	--
Processing	4.40	4.35	3.35	4.19	4.00	4.00	--	--	4.41	4.40	4.49
Metal	4.74	4.50	--	6.00	--	4.00	--	--	--	--	4.83
Food, Tobacco	4.03	4.06	--	--	--	--	--	--	3.35	3.65	--
Chemicals, Plastics, Synthetics	4.33	5.35	--	3.96	--	--	--	--	4.05	4.65	4.25
Stone, Clay, Glass	5.00	--	--	--	--	--	--	--	--	--	5.00
Leather and Textiles	4.91	--	3.35	--	4.00	--	--	--	--	--	--
Processing Occupations n.e.c.	5.70	5.70	--	--	--	--	--	--	--	--	--
Machine Trades	5.30	5.65	5.21	5.30	4.93	4.80	5.91	5.25	5.80	5.45	4.77
Metal Machining	6.17	5.52	6.00	6.17	6.71	5.50	7.70	--	7.56	6.57	5.99
Metal Working n.e.c.	3.95	3.89	3.35	--	3.98	4.00	--	--	--	--	4.25
Mechanics, & Machinery Repairers	6.10	6.38	4.63	6.17	6.25	7.50	4.24	4.50	5.40	5.58	5.61
Printing and Paperworking	5.28	5.54	--	--	--	--	--	6.00	5.95	4.00	5.06
Wood Machining	4.61	7.00	--	3.90	4.00	--	--	--	--	4.00	5.20
Textiles	4.44	--	--	--	4.35	4.59	5.59	--	3.75	4.17	4.47
Machine Trades n.e.c.	4.04	4.26	6.00	--	4.18	3.58	--	--	4.75	4.75	3.83
Benchwork	4.15	4.09	4.25	3.70	5.90	4.72	3.72	3.50	4.32	4.02	4.45
Metal Products	4.95	4.64	--	--	3.75	--	5.10	3.45	5.68	4.30	6.95
Scientific & Electrical Equip.	4.15	4.08	3.40	4.00	--	4.31	3.71	--	--	5.86	4.46
Plastics, Synthetics, Rubber	4.18	--	--	4.23	4.00	--	--	--	--	4.06	4.25
Stone and Wood Products	4.39	3.35	--	--	14.00	--	--	--	--	4.25	4.20
Textile, Leather	4.03	4.15	4.37	3.48	5.26	--	3.65	3.35	3.35	3.78	4.11
Benchwork Occupations, n.e.c.	3.84	--	3.35	--	--	--	--	3.95	--	--	--
Structural Work	5.95	6.74	5.00	5.54	5.47	4.41	6.23	4.67	6.44	5.31	5.08
Metal Fabrication	6.39	7.48	--	5.55	--	5.23	6.19	4.00	5.00	5.25	6.00
Welders	6.43	6.41	--	--	7.00	5.00	7.42	--	--	5.00	5.50
Electrical	6.05	6.97	--	8.65	6.05	3.70	--	--	6.18	4.42	4.82

Table 37

Average Pay by Selected Occupational Category
Massachusetts Job Banks
March 1982
(continued)

Occupational Title	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill	Lowell	New Bedford	Pittsfield	Springfield* Chicopee Holyoke	Worcester	Balance of State
Structural Work (continued)											
Painting	$6.79/hr	$6.97/hr	$--	$ --	$--	$ --	$ --	$--	$6.50/hr	$5.50/hr	$7.00/hr
Excavating, Grading etc.	7.83	--	--	--	8.00	--	--	--	--	7.50	--
Construction, Occupations n.e.c.	5.37	6.20	5.00	4.75	5.20	--	5.47	4.75	15.85	7.50	4.85
Structural Occupations n.e.c.	4.76	5.46	--	4.00	--	4.75	4.40	5.00	3.35	4.50	4,88
Miscellaneous	4.24	4.24	--	5.03	4.55	4.00	4.09	4.37	6.93	3.65	4.24
Motor Freight Occupations	4.72	4.39	--	--	4.33	--	4.71	--	4.74	4.85	5.02
Transportation Occupations n.e.c.	4.06	4.09	--	6.72	5.19	--	--	--	--	5.03	3.42
Packing, Material Handling	3.95	3.99	--	4.18	4.45	4.00	4.02	4.37	4.18	3.56	4.10
Production, Distribution of Util.	8.42	6.47	--	8.00	--	--	--	--	11.04	--	7.38
Graphic Art Work	5.02	5.66	--	--	--	4.00	--	--	5.05	4.50	5.00

Source: Labor Market Information Analytical Table Series

* Springfield-Chicopee-Holyoke data for February 1982

B. Employment Projections and Trends

A very important aspect of occupational analysis is forecasting future trends in the labor market. This information is essential to public and private manpower planners, as well as the individual seeking a successful career. especially today, when technological development is creating new occupations, while eliminating many traditional jobs. Also the rising costs of an education today makes it critical that a career choice be based on a realistic appraisal of the job market.

The Massachusetts Division of Employment Security Occupation/ Industry Research Department projects employment requirements to 1985 for the State in their publication Employment Requirements by Occupation by Industry 1976-1985. This report projects industrial and occupational needs for 201 industries and 377 occupations. The occupational demand presented in the report is based on anticipated changes in industrial employment, and replacement demand likely to arise due to deaths, retirements, and other separations from the labor force. It is a useful report for planning educational and training programs, career guidance, and industry site location studies.

Analyzing occupational requirements by industry can be used to point out broad based changes and trends in the labor market. Job Openings by Industry (Table 38) is a breakdown of job openings for all industries in the Boston SMSA job bank. This information for March 1982 provides the number of listed job openings by two-digit Standard Industrial Classification (SIC) code. It provides a rough measure of industry needs.

A report by the Occupation/Industry Department entitled Structure of the Massachusetts Job Market is useful in analyzing occupations in the State in terms of occupational staffing patterns of selected industries, and the industrial distribution of selected occupations. In Table 39 we have listed an index of high demand occupations taken from a report co-authored by several government agencies. The title of this report is High Demand Occupations in Massachusetts - 1981, and is available from the Job Market Research Service.

Table 38
Job Openings by Industry
Boston Metro Job Bank
March 1982
(By 2-Digit SIC* Code)

SIC Code	Industries	Number
	TOTAL ALL INDUSTRIES	1943
01-09	Agriculture, Forestry and Fishing	75
01	Agriculture Production Corps.	37
02	Agriculture Production Livestock	--
07	Agriculture Services	28
08	Forestry	10
09	Fishing, Hunting, Trapping	--
15-17	Construction	83
15	Building Construction	7
16	Construction Other Than Building	32
17	Construction Special Trades	44
20-39	Manufacturing	536
24,25,32-39	Durable Goods	377
24	Lumber and Wood Products	5
25	Furniture and Fixtures	9
32	Stone, Clay, Glass Concrete Products	3
33	Primary Metal Industries	--
34	Fabricated Metal Products	26
35	Machinery except Electrical	108
36	Electrical and Electrical Machinery	162
37	Transportation Equipment	41
38	Instruments	18
39	Miscellaneous Manufacturing	5
20-23,26-31	Nondurable Goods	159
20	Food and Kindred Products	43
21	Tobacco Manufacturers	6
22	Textile Mill Products	6
23	Apparel	28
26	Paper and Allied Products	1
27	Printing and Publishing	15
28	Chemicals	4
29	Petroleum Refining	1
30	Rubber and Plastic Products	10
31	Leather and Leather Products	45

Table 38
Job Openings by Industry
Boston Metro Job Bank
March 1982
(By 2-Digit SIC* Code)
(continued)

SIC Code	Industries	Number
40-49	Transportation, Communications, Utilities	40
40	Railroad Transportation	--
41	Local, Suburban Urban Passenger	7
42	Motor Freight Transportation	6
43	United States Postal Service	--
44	Water Transportation	2
47	Transportation Services	6
48	Communication	6
49	Electric Gas and Sanitary Service	1
50-51	Wholesale Trade	58
50	Wholesale Trade Durable Goods	39
51	Wholesale Trade Nondurable Goods	19
52-59	Retail Trade	309
52	Building Materials Hardward	71
53	General Merchandise Stores	32
54	Food Stores	17
55	Automotive and Gasoline Service	18
56	Apparel and Accessories	17
57	Furniture and Home Furnishings	11
58	Eating and Drinking Places	116
59	Miscellaneous Retail	27
60-67	Finance, Insurance, Real Estate	61
60	Banking	15
61	Credit Agencies	1
62	Securities and Commodity Brokers	--
63	Insurance	10
64	Insurance Agents, Brokers	23
65	Real Estate	11
67	Holding and Other Investment Offices	1
70-89	Services	672
70	Hotel, Rooming Houses	273
72	Personal Services	8
73	Business Services	190
75	Automotive Repair Services	33

Table 38
Job Openings by Industry
Boston Metro Job Bank
March 1982
(By 2-Digit SIC* Code)

(continued)

SIC Code	Industries	Number
70-89	Services (continued)	
76	Miscellaneous Repair Services	16
78	Motion Pictures	--
79	Amusement and Recreation Services	2
80	Health Service	62
81	Legal Service	5
82	Educational Services	19
83	Social Services	22
84	Museums, Galleries, Zoos	--
86	Membership Organizations	14
88	Private Households	7
89	Miscellaneous Services	21
91-97	Public Administration	102
91	Executive Legislative General Government	17
92	Justice Public Order and Safety	20
93	Public Finance Taxes, Monetary Policy	--
94	Administration Human Resource Program	50
95	Administration of Environmental & Housing	5
95	Administration of Economic Programs	--

* SIC - Standard Industrial Classification

Source: Labor Market Information Analytical Table Series
United States Department of Labor , Table 3

Table 39

Index of High Demand Occupations by Major Occupational Clusters Massachusetts

I. Professional and Technical

- A. Engineers
  - 1. Electrical Engineers
  - 2. Industrial Engineers
  - 3. Mechanical Engineers
  - 4. Drafters

- B. Health
  - 5. Registered Nurses
  - 6. Clinical Lab Technicians
  - 7. Dental Hygienists
  - 8. Radiological Technologists
  - 9. Therapists

- C. Other Technical
  - 10. Electronic Technicians
  - 11. Computer Programmers
  - 12. Computer Systems Analysts
  - 13. Computer Service Technologists

- D. Other Professionals, Managers, and Proprietors
  - 14. Personnel and Labor Relations
  - 15. Bank, Financial Managers
  - 16. Buyers, Wholesale and Retail
  - 17. Purchasing Agents
  - 18. Health Administrators
  - 19. Managers, Superintendents of Buildings
  - 20. Real Estate Agents Brokers

II. Clerical Occupations

- 21. Legal Secretaries
- 22. Medical Secretaries
- 23. Other Secretaries
- 24. Bookkeepers
- 25. Expeditors, Production Controllers
- 26. Insurance Adjusters, Examiners
- 27. Receptionists
- 28. Shipping and Receiving Clerks

III. Craft Workers

- 29. Carpenters and Apprentices
- 30. Electricians and Apprentices
- 31. Painters and Apprentices
- 32. Plumbers and Pipefitters
- 33. Excavating and Grading Machine Operators
- 34. Heavy Equipment Mechanics
- 35. Air Conditioning, Heating and Refrigeration Mechanics
- 36. Machinists
- 37. Tool and Die Makers
- 38. Radio and Television Repairers
- 39. Opticians and Lens Grinders

IV. Operatives

- 40. Assemblers
- 41. Photographic Process Repairers
- 42. Fork Lift Operatives
- 43. Truck Drivers
- 44. Lathe Machine Operatives

V. Service Workers

- 45. Cooks
- 46. Waitresses and Waiters
- 47. Dental Assistants
- 48. Health Aides
- 49. Practical Nurses
- 50. Child Care Workers

Source: High Demand Occupations in Massachusetts 1981

V. Labor Supply/Demand by Occupation

The Employment Service Automated Reporting System (ESARS) reported 135,496 active applicants and 58,553 job openings for Fiscal Year 1981 in all Job Matching Service Offices serving the Boston SMSA. A ratio of applicants to openings indicates that there were two applicants for every job opening listed in the system. Ten percent of the 58,553 job openings were unfilled by the end of the fiscal year.

Analysis of Supply/Demand by Occupation is possible through the data presented in Table 40 . The ratio of applicants to openings can be used as an indicator of a shortage or surplus of workers within particular occupations. Generally speaking an occupational ratio greater than 2 to 1, the average for all occupations within the Boston SMSA, would be considered to have a surplus of applicants. A demand occupation would fall at or below a 2 to 1 ratio. A breakout of occupations according to this criteria is presented in Tables 41 and 42 . In addition to the Boston SMSA, Marlboro and Milford LMA's supply/demand tables are also included. In reviewing the tables we must keep in mind the limitations of the data as discussed in the Analysis of Occupational Data Section. (The analysis is based on September 1981 data.)

There are many reasons for shortages or surpluses of workers within occupations. In jobs requiring specialized experience and/or skills there may be a lack of qualified applicants within a geographic area. In this regard, some characteristics of the labor supply as measured by ESARS in the Boston SMSA is presented in Table 45 . If there is an available unskilled labor pool, training programs may help to alleviate this type of structural unemployment. Semiskilled or unskilled positions may go unfilled because the local labor pool has been exhausted and workers from other areas are unwilling to commute to jobs which are low paying or have little chance for advancement. Imbalance between supply and demand in the labor market does not always account for available jobs going unfilled. Job orders placed with the Division of Employment Security can go unfilled due to non-competitive wages, unsuitable working conditions, or hours, commuting problems and unrealistic entry requirements. All these variables must be kept in mind when using the ESARS system for supply/demand analysis.

Table 40
Applicants to Job Openings for Selected Occupations in the Boston SMSA
Fiscal Year 1981

Occupation	Active Applicants	Job Openings	Ratio Applicants To Openings	Unfilled Openings as Percent of Total Openings
TOTAL	135,496	58,553	2/1	10
Professional, Technical, Managerial	28,573	14,945	2/1	2
Electrical Engineer	63	66	1/1	2
Electronics Technician	276	128	2/1	1
Drafters	170	31	5/1	3
Mechanical Engineer	115	49	2/1	0
Programmer	334	108	3/1	3
Chemist	129	23	6/1	9
Technical Writer	122	31	4/1	0
College Professor	249	41	6/1	5
Secondary Teacher	1,474	72	20/1	7
Primary Teacher	1,431	14	102/1	14
Lawyer	165	8	21/1	25
Purchasing Agent	257	21	12/1	5
Accountant	718	92	8/1	2
Systems Analyst	122	83	1/1	2
Retail Trade Manager	758	103	7/1	17
Sales Manager	514	26	20/1	4
Counselor	853	45	19/1	11
Social Service Caseworker	264	27	10/1	15
Social Group Worker	97	9	11/1	0
Registered Nurse	854	11,082***	08/1	0
Pharmacist	106	2	53/1	50
Dental Assistant	137	24	6/1	8
Dental Hygienst	35	6	6/1	0
Respiratory Therapist	24	4	6/1	0
Medical Lab Technician	77	3	26/1	0
Clerical	27,390	12,705	2/1	12
Secretary	2,370	956	2/1	13
Stenographer	29	54	.5/1	9
Typist	2,279	1,572	1/1	12
File Clerks	818	255	3/1	16
Stenography, Typing, Filing and Related Occupations n.e.c.**	5,555	1,500	4/1	15

Table 40
Applicants to Job Openings for Selected Occupations in the Boston SMSA
Fiscal Year 1981
(continued)

Occupation	Active Applicants	Job Openings	Ratio Applicants To Openings	Unfilled Openings as Percent of Total Openings
Clerical (continued)				
General Office Clerk	1,633	823	2/1	6
Bookkeeper and Bookkeeper Machine Operator	1,220	286	4/1	8
Cashiers and Tellers	1,990	1,163	2/1	16
Telephone Operator	334	124	3/1	8
Computer Operator	480	92	5/1	10
Computing & Account Recording Occupation	1,897	928	2/1	6
Stock Clerk	872	749	1/1	7
Teacher Aide	421	7	60/1	14
Receptionist	894	250	4/1	11
Driver, Sales Route	180	93	2/1	37
Accounting Clerk	694	253	3/1	7
Sales	8,700	4,351	2/1	8
Sales Occupations, Misc. Commodities, n.e.c. **	2,917	1,568	2/1	1
Sales Clerks	1,406	1,034	1/1	12
Sales Occupations, Textile Prod., Apparel & Notions	300	225	1/1	9
Service	19,340	12,169	2/1	15
Household & Rel. Work	329	244	1/1	9
Waiter/Waitress	860	588	1/1	20
Chefs and Cooks	1,497	704	2/1	14
Kitchen Helper	1,301	2,930	.5/1	4
Housecleaners, Hotels and Restaurants & Rel. Estab.	302	192	2/1	20
Nurses Aides	1,476	286	5/1	11
Security Guards & Correction Officers	1,133	1,126	1/1	16
Police Officers & Detectives	411	155	3/1	97
Firefighter	179	2	90/1	0
Janitors	890	326	3/1	6

Table 40

Applicants to Job Openings for Selected Occupations in the Boston SMSA

Fiscal Year 1981

(continued)

Occupation	Active Applicants	Job Openings	Ratio Applicants To Openings	Unfilled Openings as Percent of Total Openings
Agricultural and Forestry	1,671	1,045	2/1	8
Forestry Conservation Occup.	22	0	22/1	0
Plant Farming Occups.	8	0	8/1	0
Machine Trade	6,626	1,941	3/1	13
Machinist	385	124	3/1	8
Machine Set-up Operator	111	26	4/1	15
Motorized Vehicle & Engineering Equip. Mech. and Repairs	753	160	5/1	17
Maintenance Mechanic	215	78	3/1	6
Aircraft Mechanics & Repairers	128	2	64/1	0
Production Machine Tender	211	59	4/1	8
Benchwork	5,581	2,738	2/1	17
Occup. in Assembly & Repair of Electronic Components and Accessories n.e.c. **	1,063	584	2/1	15
Assembler, Electrical Acces.	203	173	1/1	29
Sewing Machine Oper. Nongarments	233	164	1/1	7
Structural Work	11,076	2,721	4/1	10
Sheet Metal Worker	228	116	2/1	34
Automobile Body Repairer	240	91	3/1	15
Welder	133	41	3/1	7
Electrician	191	114	2/1	19
Painter	626	114	5/1	9
Carpenter	768	183	4/1	10
Plumber	100	33	3/1	6
Laborer, Construction	142	7	20/1	14
Roofer	185	21	9/1	14
Misc. Const. Occup. n.e.c. **	1,520	279	5/1	8
Maintenance Repairer, Building	712	161	4/1	6
Miscellaneous	15,713	5,160	3/1	8
Trailer Truck Drivers	427	34	13/1	3
Truck Drivers, Heavy	1,393	202	7/1	3
Truck Drivers, Light	1,094	308	4/1	10
Bus Driver	381	21	18/1	24

Table 40
Applicants to Job Openings for Selected Occupations in the Boston SMSA
Fiscal Year 1981
(Continued)

Occupation	Active Applicants	Job Openings	Ratio Applicants to Openings	Unfilled Openings as Percent of Total Openings
Miscellaneous (continued)				
Gas Station Attendant	196	194	1/1	21
Packaging Occupations	1,613	667	2/1	10
Taxi Driver	103	18	6/1	22
Packaging and Material Handling Occupations n.e.c.**	4,522	1,471	3/1	7

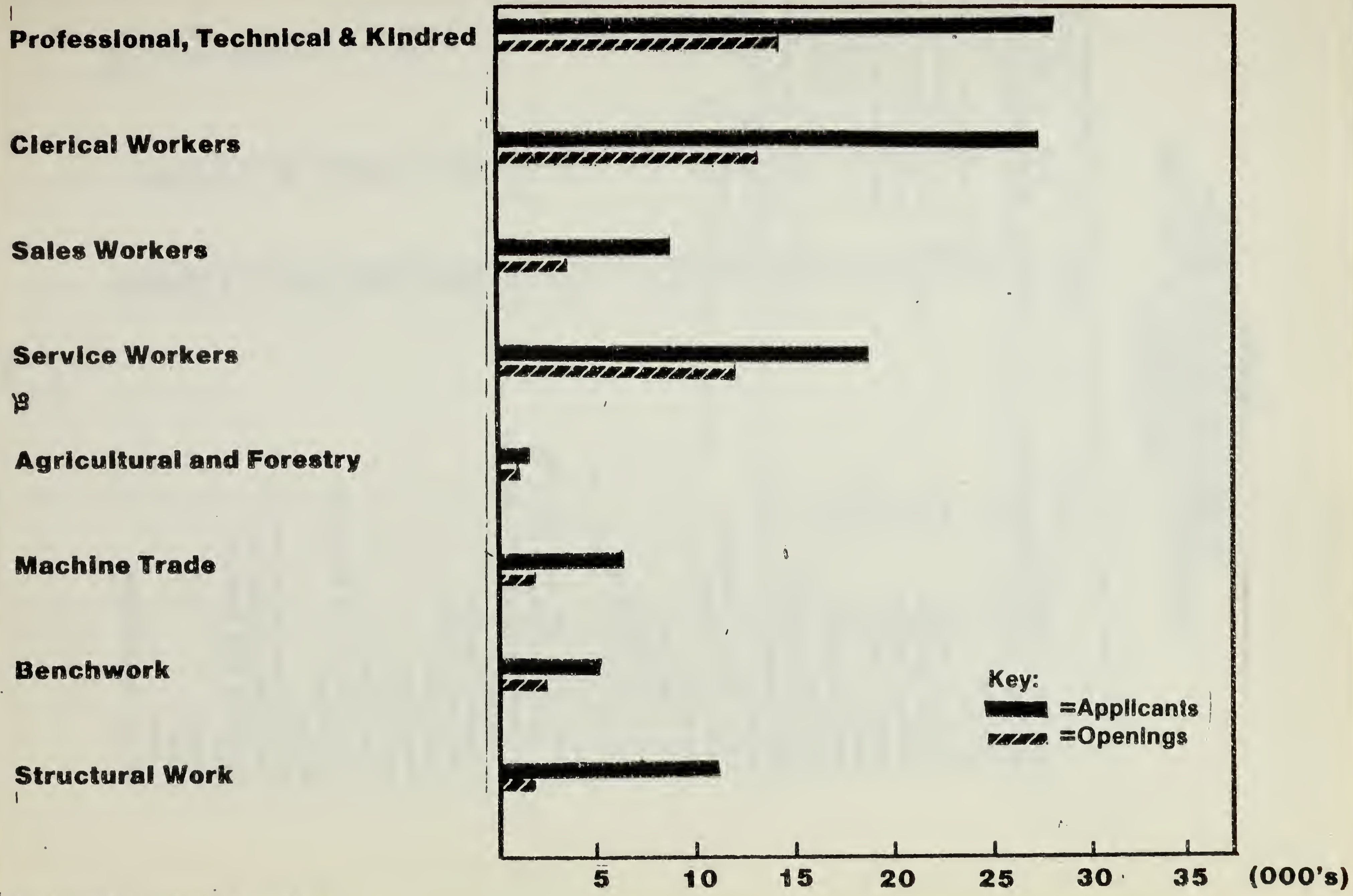
Source: Employment Service Automated Reporting Systems

** n.e.c. - not elsewhere classified

*** Reflects Nurses' Registry Openings

Chart 3

Comparison Of Applicants to Openings
For Selected Occupations
Boston SMSA
Fiscal Year 1981



SOURCE: ESARS TABLE 96

Table 41

Occupations of Applicants That Have A Higher Than Average 1/ Ratio of Applicants to Job Openings in the Boston SMSA Fiscal Year 1981

Occupations	Number of Applicants	Job Openings	Ratio Applicants To Openings
Drafters	170	31	5/1
Programmer	334	108	3/1
Chemist	129	23	6/1
Technical Writer	122	31	4/1
College Professor	249	41	6/1
Secondary Teacher	1,474	72	20/1
Primary Teacher	1,431	14	102/1
Lawyer	165	8	21/1
Purchasing Agent	257	21	12/1
Accountant	718	92	8/1
Retail Trade Manager	758	103	7/1
Sales Manager	514	26	20/1
Counselor	853	45	19/1
Social Service Caseworker	264	27	10/1
Social Group Worker	97	9	11/1
Pharmacist	106	2	53/1
Dental Assistant	137	24	6/1
Dental Hygienist	35	6	6/1
Respiratory Therapist	24	4	6/1
Medical Laboratory Technician	77	3	26/1
File Clerks	818	255	3/1
Stenography, Typing, Filing and Related Occupations N.E.C. 3/	5,555	1,500	4/1
Bookkeeper and Bookkeeper Machine Operator	1,220	286	4/1
Telephone Operator	334	124	3/1
Computer Operator	480	92	5/1
Teacher Aide	421	7	60/1
Receptionist	894	250	4/1
Accounting Clerk	694	253	3/1
Nurses Aides	1,476	286	5/1
Police Officer and Detectives	411	155	3/1
Firefighter	179	2	90/1
Janitors	890	326	3/1
Forestry Conservation Occupation	22	0	22/1
Plant Farming Occupation	8	0	8/1
Automobile Body Repairer	240	91	3/1
Welder	133	41	3/1
Painter	626	114	5/1
Carpenter	768	183	4/1
Plumber	100	33	3/1
Laborer, Construction	142	7	20/1

Table 41

Occupations of Applicants That Have A Higher Than Average 1/ Ratio of Applicants to Job Openings in the Boston SMSA Fiscal Year 1981 (continued)

Occupations	Number of Applicants	Job Openings	Ratio Applicants To Openings
Roofer	185	21	9/1
Miscellaneous Construction Occupations N.E.C. 2/	1,520	279	5/1
Maintenance Repairer, Building	712	161	4/1
Trailer Truck Drivers	427	34	13/1
Truck Drivers, Heavy	1,393	202	7/1
Truck Drivers, Light	1,094	308	4/1
Bus Driver	381	21	18/1
Taxi Driver	103	18	6/1
Packing and Material Handling Occupations N.E.C. 2/	4.522	1,471	3/1

Source: ESARS Table 96

1/ Average is 2/1

2/ N.E.C. Not Elsewher Classified

Table 42

Occupations of Applicants That Have an Average 1/ or Lower Ratio of Applicants to Job Openings in the Boston SMSA Fiscal Year 1981

Occupations	Number of Applicants	Job Openings	Ratio Applicants To Openings
Electrical Engineer	63	66	1/1
Electronics Technician	276	128	2/1
Mechanical Engineer	115	49	2/1
Systems Analyst	122	83	1/1
Registered Nurse	854	11,082 2/	.08/1
Secretary	2,730	956	2/1
Stenographer	29	54	.5/1
Typist	2,279	1,572	1/1
General Office Clerk	1,633	823	2/1
Cashier and Tellers	1,990	1,163	2/1
Computing and Account Recording Occupations	1,897	928	2/1
Stock Clerk	872	749	1/1
Driver, Sales Route	180	93	2/1
Sales Occupations, Miscellaneous Commodities, N.E.C. 3/	2,917	1,568	2/1
Sales Clerks	1,406	1,034	1/1
Sales Occupations, Textile Products, Apparel and Notions	300	225	1/1
Household and Related Work	329	244	1/1
Waiter/Waitress	860	588	1/1
Chefs and Cooks	1,497	704	2/1
Kitcher Helper	1,301	2,930	.5/1
Housecleaners, Hotels, Restaurants, and Related Establishments	302	192	2/1
Security Guards and Correction Officers	1,133	1,126	1/1
Agricultural and Forestry	1,671	1,045	2/1
Occupations in Assembly and Repair of Electronic Components and Accessories N.E.C. 3/	1,063	584	2/1
Assembler, Electrical Accessories	203	173	1/1
Sewing Machine Operator, Nongarments	233	164	1/1
Sheet Metal Worker	228	116	2/1
Electrician	191	114	2/1
Gas Station Attendant	196	194	1/1
Packaging Occupations	1,613	667	2/1

Source: ESARS Table 96

1/ Average is 2/1

2/ Reflects Nurses' Registry Openings

3/ N.E.C. Not Elsewhere Classified

Table 43
Applicants to Job Openings for Selected Occupations In the Marlborough Job Matching Center
Fiscal Year 1981*

Occupation	Active Applicants	Job Openings	Ratio Applicants to Openings	Unfilled Openings as Percent of Total Openings
TOTAL	4235	1852	2/1	23
Professional, Technical and Managerial	826	116	7/1	27
Electronics Technicians	32	8	4/1	25
Secondary School Teacher	42	7	6/1	57
Elementary School Teacher	40	0	40/1	0
Administrative Assistant	43	0	43/1	.0
Accountant	20	3	7/1	33
Sales Manager	29	0	29/1	0
Retail Store Manager	27	0	27/1	0
Clerical Occupations	923	417	2/1	39
Secretaries	85	38	2/1	13
Typists & Typewriting Machine Operations	58	32	2/1	16
General Clerk	92	5	18/1	40
Administrative Clerk	69	35	2/1	31
Service Occupations	498	420	1/1	15
Security Guard	45	138	.33/1	4
Janitor	39	15		7
Kitchen Helper	35	38	1/1	11
Cook	24	17	1/1	41
Agricultural, Fishery, Forestry and Related Occupations	116	58	2/1	3
Processing Occupations	127	38	3/1	11
Standard Machine Stitcher	3	26	.12/1	62
Machine Trades Occupations	358	153	2/1	37
Automobile Mechanics	38	11	3/1	45
Benchwork Occupations	457	157	3/1	15
Electronics Assembler	87	24	4/1	33
Structural Work Occupations	434	134	3/1	13
Carpenter and Rel. Occupations	36	5	7/1	20
Construction Worker	59	8	7/1	38
Miscellaneous Occupations	493	359	1/1	20
Heavy Truck Driver	42	7	6/1	0
Hand Packager	60	40	2/1	33
Material Handler	124	199	1/1	15
Light Truck Driver	28	37	1/1	27
Bus Driver	7	19	.37/1	26

Source: Employment Service Automated Reporting Systems Table 96

* FY 1981 - October 1, 1980 through September 30, 1981

Table 44
Applicants to Job Openings for Selected Occupations
In The
Milford Job Matching Center
Fiscal Year 1981

Occupation	Active Applicants	Job Openings	Ratio Applicants To Openings	Unfilled Openings as Percent of Total Openings
TOTAL	4910	1686	3/1	32.7
Professional, Technical, and Managerial	945	56	17/1	3.6
Secondary School Teacher	87	0	87/1	0.0
Elementary School Teacher	96	0	96/1	0.0
Retail Store Manager	29	0	29/1	0.0
Clerical and Sales Occupations	1169	761	2/1	62.0
Secretary	66	17	4/1	5.9
Typists, & Typewriting Machine Operators	47	13	4/1	0.0
General Clerk	238	22	11/1	0.0
Bookkeeper & Bookkeeping Machine Operators	57	10	6/1	0.0
Administrative Clerk	70	8	9/1	0.0
Service Occupations	456	169	3/1	5.9
Meat Cutter	50	2	25/1	0.0
Attendants, Hospitals, Morgues and Related Health Services	46	13	4/1	7.7
Security Guard	23	33	1/1	0.0
Janitor	35	4	9/1	0.0
Processing Occupations	98	54	2/1	1.9
Machine Trades Occupations	460	146	3/1	21.9
Automobile Mechanic	63	8	8/1	25.0
Benchwork Occupations	264	72	4/1	15.3
Electronics Assembler	35	2	18/1	0.0
Structural Work Occupations	391	77	5/1	16.9
Construction Worker	45	1	45/1	0.0
Miscellaneous Occupations	1088	315	3/1	3.2
Tractor-Trailer Truck Driver	64	4	16/1	25.0
Heavy Truck Driver	49	15	3/1	6.7
Hand Packager	75	28	3/1	7.1
Material Handler	651	213	3/1	1.9

Source: Employment Service Automated Reporting Systems
Table 96

Table 45
Characteristics of Applicants for Selected Occupations
Boston SMSA
March 1982

Categories	Total	Female	Veteran	Age Groups		Minority	Economically Disadvantaged
				Under 22	45 and Older		
TOTAL	39,587	21,759	5,650	4,458	7,572	8,448	19,041
Professional, Technical, Managerial	6,791	3,159	1,282	144	1,343	647	1,100
Electronics Technician	99	10	40	12	4	15	13
Systems Analyst	51	14	11	1	9	1	0
Business Programmer	72	26	10	3	5	8	3
Counselor	169	92	25	1	27	40	49
Licensed Practical Nurse	66	65	1	0	11	6	55
Secondary School Teacher	246	155	30	1	36	20	22
Elementary School Teacher	234	200	10	1	37	11	29
Accountant	190	46	53	0	42	21	16
Sales Manager	116	25	42	1	44	4	9
Administrative Assistant	359	271	36	6	62	35	44
Office Manager	141	94	19	2	35	11	12
Retail Store Manager	197	63	39	6	39	9	23
Food Service Manager	115	38	29	3	25	4	24
Clerical and Sales	9,561	7,157	815	1,486	1,806	1,721	4,276
Secretary	735	722	8	46	158	65	265
Typists & Typewriting Machine Operators	835	790	20	94	137	208	480
File Clerks	376	355	7	44	66	244	317
General Clerk	1,331	1,166	46	287	260	264	648
Bookkeeper	323	285	23	17	97	22	99
Cashiers and Tellers	519	473	12	143	67	114	329
Computer Operator	157	68	33	12	7	26	45
Accounting Clerk	198	161	16	22	40	22	50

Table 45
Characteristics of Applicants for Selected Occupations
Boston SMSA
March 1982

(continued)

Categories	Total	Female	Veteran	Age Groups		Minority	Economically Disadvantaged
				Under 22	45 and Older		
Clerical and Sales (continued)							
Administrative Clerk	453	419	20	66	78	71	263
Stock Clerk	177	24	37	85	16	57	71
Telephone Operator	125	118	3	9	35	25	84
Receptionist	271	261	2	33	65	45	114
General Merchandise Salesperson	349	247	37	80	66	31	125
Sales Clerks	208	141	16	58	47	31	98
Services	6,319	3,993	718	892	1,264	1,673	3,943
General House Worker	148	137	1	4	51	74	129
Waiter/Waitresses, and Related Service Occupations	828	753	6	147	145	49	632
Bartenders	147	69	29	4	24	2	59
Chefs & Cooks, Hotels and Restaurants	352	65	86	65	55	67	106
Kitchen Helper	302	89	44	116	112	123	215
Housecleaners, Hotels, Restaurants, & Rel. Estab.	149	113	3	31	30	82	129
Nurses Aide	648	612	11	42	88	222	563
Security Guard	180	29	65	27	33	50	66
Janitors	245	16	90	39	90	60	97
Landscape Gardener	94	4	13	27	6	3	12
Machine Trades	1,830	376	513	247	307	355	569
Machinist	127	4	54	17	26	14	22
Automobile Mechanic	177	2	43	26	12	26	51
Maintenance Mechanic	49	1	20	2	6	0	10

Table 45
Characteristics of Applicants for Selected Occupations
Boston SMSA
March 1982
(continued)

Categories	Total	Female	Veteran	Age Groups Under 22	Age Groups 45 and Older	Minority	Economically Disadvantaged
Benchwork Occupations	1,845	1,128	187	136	393	483	837
Electronics Assembler	249	170	15	26	54	67	109
Sewing Machine Operator	84	81	0	2	24	44	54
Structural Work Occupations	2,763	135	845	401	383	344	713
Sheet Metal Worker	65	1	26	12	6	5	4
Automobile Body Repairer	67	1	14	15	9	11	20
Painter	175	4	61	15	34	17	52
Carpenter	213	1	74	20	33	19	57
Construction Worker	357	9	75	83	21	35	74
Building Maintenance Repairer	188	6	69	22	54	34	64
Miscellaneous Occupations	4,235	1,257	885	798	614	1,019	1,910
Tractor Trailer-Truck Driver	145	4	63	5	26	9	37
Heavy Truck Driver	357	6	147	28	52	24	107
Light Truck Driver	270	19	92	36	17	24	77
Bus Driver	114	76	18	2	13	14	85
Hand Packager	395	326	9	41	104	145	282
Material Handler	1,172	337	199	317	119	410	585

Source: ESARS Table 96

VI. Unemployment Trends and Characteristics

A. Boston SMSA

The 1981 annual average unemployment rate for the Boston SMSA of 5.7 percent reversed the downward trend in unemployment since 1975, and matched the 1971 annual average. However, this is the fourth consecutive year that unemployment was below 6.0 percent. As in previous years the annual average unemployment rate reflected the increase in the state and national rates, See Table 46 and Chart 4 page 104.

During 1981 the SMSA did not follow seasonal trends in unemployment as in previous years. Conversely, unemployment began to reflect the national recession beginning in 1981, adding to and negating seasonal fluctuations.

Local Area Unemployment Statistics (LAUS) estimates, adjusted to the Current Population Survey (CPS), (a monthly survey of households designed to measure total unemployment), indicated that employment rose 27,594 to 1,352,722 for 1981 while unemployment increased by 12,422. The SMSA's total civilian labor force increased by 40,016 to 1,434,842 (see Table 47 and Map on page 106.

Unemployment insurance claims activities are shown on Table 49 for the Boston SMSA for 1981 and first quarter 1982. The table lists initial and continued weeks claimed for the survey week of each month and reflects the peak claim load period.

Initial and continued weeks claimed reflect trends in the seasonality of unemployment. Winter months tend to have higher claim levels due to industries affected by weather conditions. Summer months, also have increased claims due to factory shutdowns for maintenance, retooling, and unpaid summer vacations. Throughout the year claims activities decreased. A comparison between first quarter 1981 and first quarter 1982 shows a higher number of initial and continued weeks claimed for 1982. The higher claim load is expected to continue and possibly increase throughout 1982. The expectations of an increased claim load is due to many factors, primarily the current national recession. This combined with increased cuts in federal government spending on social programs and record deficits, along with the continuous affects of Propostion 2½ and its effects on local spending will add to the unemployment problem. Ripple effects from the decline in government spending may effect employment in noncommercial research organizations and social service agencies. Consequently, increased claim loads and higher unemployment rates are forecast.

Data on unemployment insurance claims are one fragment of the total unemployment picture. Other categories of the SMSA unemployed population are not included in claimant activity data i.e.; discouraged workers, claims exhaustees and never filers. Although claims data is but one section of the unemployment picture it does reflect general trends in unemployment and is an important tool in analyzing the labor market.

In addition, the unemployed include new entrants (students, new graduates, and dropouts) and reentrants to the labor force.

Selected characteristics of the insured unemployed by place of residence (Table 50) gives information about claimants filing for unemployment compensation benefits in DES local offices.

The data is catagorized by race and aggregated by city and town. Table 52 gives the same information except it is grouped by CETA areas within the Boston SMSA.

Labor Force information by DES local offices and the Greater Boston DES Region within the SMSA is available in Tables 53and54 . In addition, the data is presented for those cities and towns covered by the local office.

B. Marlborough LMA : The annual average unemployment rate in the Marlborough LMA was 5.1 percent for 1981. This was the first time that the unemployment rate has reached 5.1 percent since 1977. During 1981 the Marlborough LMA followed the state and national rates in the upward trend.

Local Area Unemployment Statistics (LAUS) indicate that unemployment increased by 590 in 1981 to 3,000, while employment decreased by 1,193 to 56,185. The total civilian labor force decreased in 1981 by 603 to 59,185. See Table 56 and Map on Page 132.

Unemployment insurance claims activities are shown on Table58 for the Marlborough LMA for 1981 and first quarter 1982. The table lists initial and continued weeks claimed for the survey week of each month and reflects the peak claims load period.

Throughout 1981 claims activities decreased. A comparison between first quarter 1981 and first quarter 1982 shows a higher number of initial and continued weeks claimed for 1982. Increased claim loads and high unemployment are expected to continue through 1982.

Also included is information on the selected characteristics of the insured unemployed by place of residence. Table 60 gives information about claimants filing for unemployment compensation benefits in DES local offices. The data is categorized by race and aggregated by city and town. Table 59 gives the same information except it is grouped by CETA area within the Marlborough area.

Labor force information by Marlborough Local Office and the Marlborough LMA is available in Table 61. In addition, the data is presented for those cities and towns included in the Marlborough LMA and local office.

C. Milford LMA

The Milford LMA unemployment rate was 9.5 percent for 1981. This represents the highest percent unemployed since the 1976 rate of 10.2 percent. Increases in unemployment for the Milford LMA has accelerated at a faster pace than the State and national rates during 1981. (see Table on page 133). The Milford LMA has reflected the current national recession throughout 1981 and during the first quarter of 1982.

Local Area Unemployment Statistics (LAUS) indicate that the civilian labor force increased 1,108 to 18,837 in 1982, also rises were recorded in employment (586) and unemployment (522) to 17,039 and 1,798 respectively for the Milford LMA (see Table 63 and Map 6 on Page 132).

Unemployment insurance claims activities in Table 65 are for 1981 and the first quarter 1982 for the Milford LMA. The table lists initial claims and continued weeks claimed for the survey week of each month and reflects the peak claims load period.

Initial and continued weeks claimed reflect trends in the seasonality of unemployment. Winter months tend to have high claim loads due to industries affected by weather conditions. Summer months, also have increased claims due to factory shutdowns for maintenance, retooling and unpaid summer vacations. Throughout the year claims activities showed an increase. A comparison of the first quarter 1981 and first quarter 1982 indicates a diminishing number of initial claims, however continued weeks claimed had a marked increase. This indicates that the number of people being laid off has decreased, but, the length of unemployment spell has grown. As for other areas within the Metropolitan area, increased claim loads and high unemployment are forecast.

Information about selected characteristics of the insured unemployed by place of residence is in Table 66. Included in Table 67 is civilian labor force data for the Milford LMA by city and town.

Table 46
Unemployment Rates* 1970-1982
for
Boston SMSA-Massachusetts-United States

Period	Boston SMSA*	Massachusetts	United States
1970	4.0	4.6	4.9
1971	5.7	6.6	5.9
1972	6.5	6.4	5.6
1973	6.9	6.7	4.9
1974	7.1	7.2	5.6
1975	10.5	11.2	8.5
1976	9.1	9.5	7.7
1977	7.8	8.1	7.0
1978	5.8	6.1	6.0
1979	5.3	5.5	5.8
1980	5.0	5.6	7.1
1981	5.7	6.4	7.6
January	5.3	6.4	8.2
February	5.4	6.3	8.0
March	5.3	6.1	7.7
April	4.6	5.1	7.0
May	5.3	5.8	7.1
June	5.7	6.3	7.7
July	6.1	6.6	7.3
August	6.9	7.2	7.2
September	6.3	6.6	7.3
October	6.3	6.7	7.5
November	5.6	6.3	7.9
December	5.8	6.9	8.3
1982			
January	6.8	6.9	8.5
February	7.1	7.8	8.8
March	6.5	7.3	9.0
April	6.7	8.5	9.4

Source: Massachusetts Division of Employment Security

* 1981-1982 Monthly Figures not adjusted for seasonality.

Chart 4

Unemployment Rates for United States, Massachusetts and Boston SMSA
1970-1981

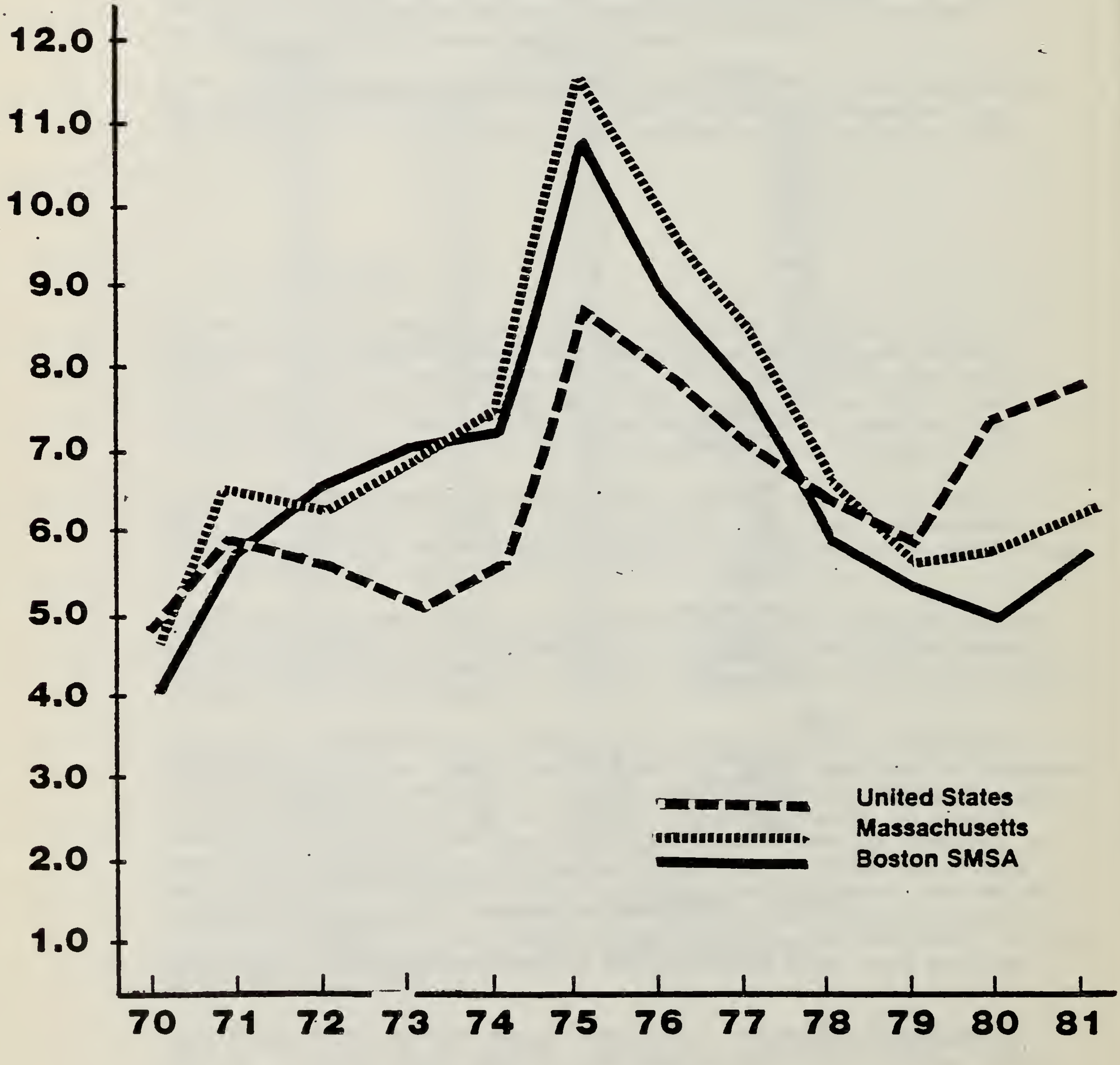


Table 47

Boston SMSA Labor Force *
1981 - 1982

Period	Labor Force	Employment	Unemployment	Unemployment Rate
1981:				
January	1,412,505	1,337,563	74,942	5.3
February	1,426,828	1,350,049	76,779	5.4
March	1,422,325	1,346,588	75,737	5.3
April	1,393,640	1,329,892	63,748	4.6
May	1,402,160	1,327,212	74,948	5.3
June	1,426,256	1,344,488	81,768	5.7
July	1,446,303	1,357,562	88,741	6.1
August	1,459,109	1,358,577	100,532	6.9
September	1,410,374	1,321,652	88,722	6.3
October	1,466,156	1,373,847	92,309	6.3
November	1,480,366	1,398,165	82,201	5.6
December	1,472,084	1,387,066	85,018	5.8
Annual Average	1,434,842	1,352,722	82,120	5.7
1982:				
January	1,450,860	1,352,670	98,190	6.8
February	1,431,802	1,330,328	101,474	7.1
March	1,444,443	1,350,607	93,836	6.5
April	1,427,891	1,331,623	96,268	6.7

Source: Massachusetts Division of Employment Security
* Monthly figures not adjusted for seasonality

Boston SMSA
Percent Unemployed
1981 Annual Average
by City and Town

Map 4

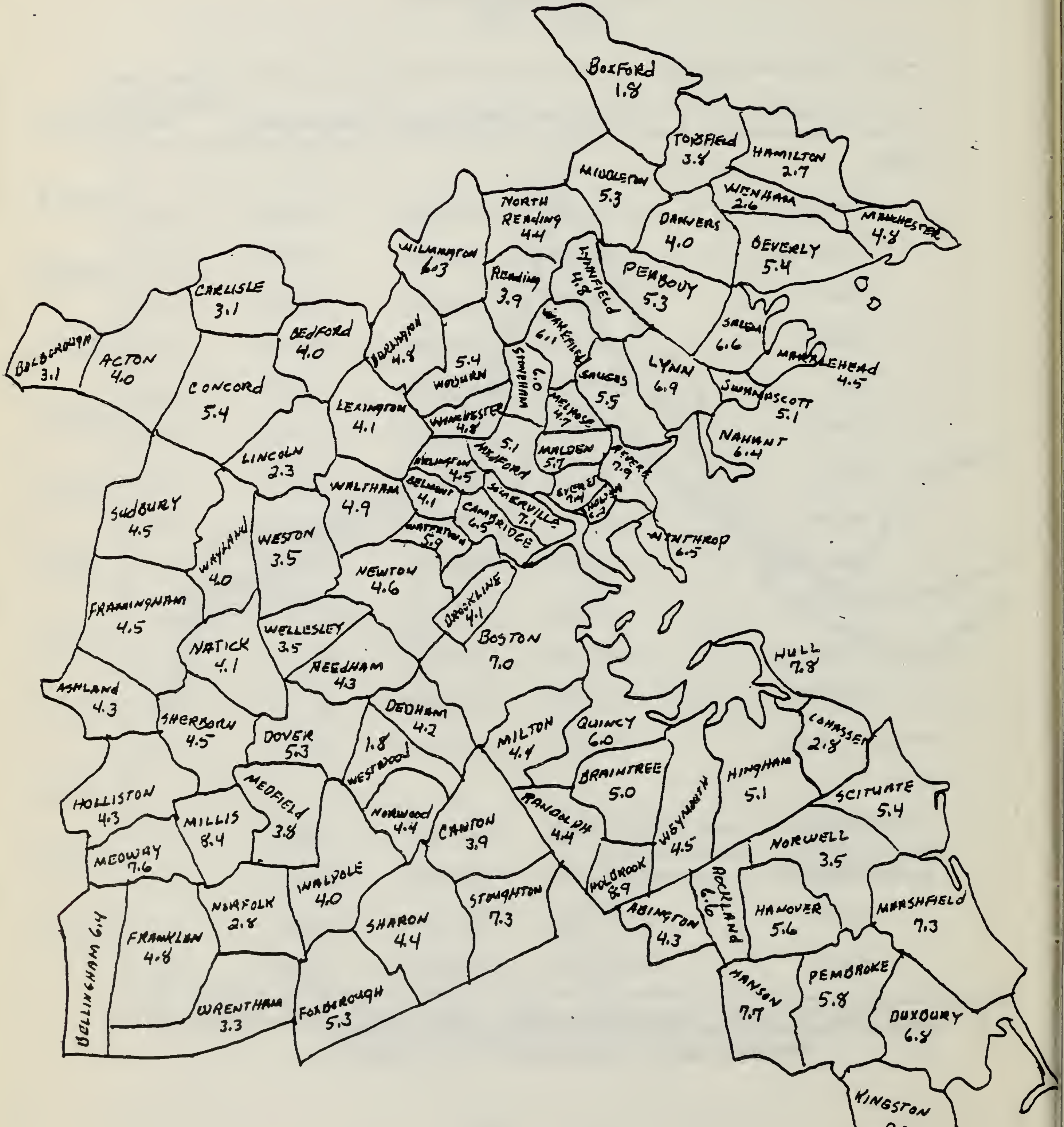


Table 48
Boston SMSA
Labor Force
Annual Average 1970-1981

Year	Labor Force	Employment	Unemployment	Unemployment Rate
1970	1,277,000	1,226,000	51,000	4.0
1971	1,273,000	1,200,000	73,000	5.7
1972	1,258,000	1,176,000	82,000	6.5
1973	1,282,000	1,194,000	88,000	6.9
1974	1,304,300	1,211,870	92,430	7.1
1975	1,335,367	1,195,198	140,169	10.5
1976	1,331,078	1,209,697	121,381	9.1
1977	1,335,357	1,231,619	103,738	7.8
1978	1,377,038	1,296,643	80,395	5.8
1979	1,403,742	1,329,802	73,940	5.3
1980	1,394,826	1,325,128	69,698	5.0
1981	1,434,842	1,352,722	82,120	5.7

Source: Massachusetts Division of Employment Security
Local Area Unemployment Statistics Program

Table 49
Unemployment Insurance Claims
Boston SMSA

Date	Initial Claims Regular Program	Continued Weeks Claimed Regular Program
1981:		
January	4,256	39,001
February	3,770	36,368
March	3,068	35,206
April	3,645	30,640
May	3,093	28,964
June	4,018	29,444
July	3,991	40,788
August	3,903	39,861
September	2,801	35,216
October	2,911	31,902
November	3,676	32,376
December	4,514	35,802
1982:		
January	5,766	44,312
February	4,420	43,701
March	3,236	40,560
April	3,707	36,707

Source: Massachusetts Division of Employment Security. Local Area Unemployment Statistics Program. Unpublished Data

Table 50

Racial Characteristics of the Insured Unemployed
By Place of Residence Boston SMSA
March 1982

Area Code	City/Town	Total	White	Non-White	Spanish Surname	Other	Not Coded
	SMSA TOTAL	33,033	29,147	2,444	1,016	368	58
112	Abington	205	201	2	0	1	1
472	Acton	107	101	5	1	0	0
062	Arlington	387	376	2	4	4	1
262	Ashland	110	106	1	0	3	0
473	Bedford	80	78	1	1	0	0
282	Bellingham	223	219	1	2	1	0
063	Belmont	175	174	0	0	1	0
412	Beverly	453	445	2	1	1	4
051	Boston	8,071	5,185	2,044	631	207	4
165	Boxborough	23	22	1	0	0	0
212	Boxford	35	35	0	0	0	0
402	Braintree	383	379	1	2	1	0
052	Brookline	311	281	13	5	12	0
492	Burlington	233	231	1	1	0	0
061	Cambridge	1,061	851	115	84	10	1
362	Canton	387	376	2	4	4	1
474	Carlisle	14	14	0	0	0	0
141	Chelsea	421	341	11	65	4	0
403	Cohasset	73	72	1	0	0	0
475	Concord	92	87	5	0	0	0
413	Danvers	302	288	4	0	7	3

Table 50

Racial Characteristics of the Insured Unemployed
By Place of Residence Boston SMSA
March 1982
(continued)

Area Code	City/Town	Total	White	Non-White	Spanish Surname	Other	Not Coded
363	Dedham	343	340	0	0	2	1
364	Dover	16	16	0	0	0	0
116	Duxbury	102	97	2	0	1	2
072	Everett	612	595	10	4	3	0
022	Foxborough	157	157	0	0	0	0
265	Framingham	642	606	10	19	7	0
284	Franklin	305	304	0	0	1	0
416	Hamilton	55	55	0	0	0	0
120	Hanover	125	123	2	0	0	0
122	Hanson	126	122	4	0	0	0
404	Hingham	181	180	0	1	0	0
123	Holbrook	170	166	2	1	0	1
285	Holliston	108	107	0	1	0	0
405	Hull	190	188	1	0	0	1
124	Kingston	134	133	1	0	0	0
476	Lexington	140	138	1	0	1	0
477	Lincoln	35	33	1	0	1	0
251	Lynn	1,313	1,167	52	74	6	14
252	Lynnfield	90	89	0	0	1	0
071	Malden	790	764	17	2	6	1
417	Manchester	55	54	0	0	0	1

Table 50

Racial Characteristics of the Insured Unemployed
By Place of Residence Boston SMSA
March 1982
(continued)

Area Code	City/Town	Total	White	Non-White	Spanish Surname	Other	Not Coded
418	Marblehead	142	139	1	0	0	2
125	Marshfield	288	278	5	1	2	2
365	Medfield	78	78	0	0	0	0
081	Medford	742	714	21	2	5	0
288	Medway	122	121	1	0	0	0
073	Melrose	279	276	1	0	2	0
419	Middleton	65	65	0	0	0	0
366	Millis	101	101	0	0	0	0
406	Milton	205	202	1	2	0	0
253	Nahant	38	38	0	0	0	0
268	Natick	272	263	6	0	3	0
092	Needham	164	160	1	1	2	0
091	Newton	727	704	4	1	18	0
367	Norfolk	53	53	0	0	0	0
493	North Reading	120	120	0	0	0	0
407	Norwell	81	80	1	0	0	0
361	Norwood	432	428	2	1	1	0
420	Peabody	721	699	4	13	2	3
127	Pembroke	173	172	1	0	0	0
401	Quincy	1,138	1,133	1	0	4	0
130	Randolph	384	368	13	0	3	0
494	Reading	189	184	2	0	3	0

Table 50

Racial Characteristics of the Insured Unemployed
By Place of Residence Boston SMSA
March 1982
(continued)

Area Code	City/Town	Total	White	Non-White	Spanish Surname	Other	Not Coded
142	Revere	648	640	1	2	4	1
132	Rockland	260	257	1	0	2	0
411	Salem	641	602	5	26	4	4
254	Saugus	290	287	2	1	0	0
408	Scituate	182	177	5	0	0	0
368	Sharon	140	138	2	0	0	0
270	Sherborn	13	13	0	0	0	0
161	Somerville	819	777	11	24	3	4
495	Stoneham	224	221	1	0	1	1
133	Stoughton	410	393	2	11	2	2
274	Sudbury	83	73	7	1	2	0
255	Swampscott	140	138	0	1	0	1
423	Topsfield	29	29	0	0	0	0
074	Wakefield	299	293	2	1	3	0
369	Walpole	258	258	0	0	0	0
471	Waltham	692	662	9	16	5	0
093	Watertown	364	358	0	3	3	0
478	Wayland	83	81	1	0	0	1
094	Wellesley	96	96	0	0	0	0
424	Wenham	22	22	0	0	0	0
479	Weston	31	31	0	0	0	0

Table 50

Racial Characteristics of the Insured Unemployed

By Place of Residence Boston SMSA
March 1962
(continued)

Area Code	City/Town	Total	White	Non-White	Spanish Surname	Other	Not Coded
370	Westwood	131	131	0	0	0	0
409	Weymouth	695	687	5	2	1	0
496	Wilmington	203	201	2	0	0	0
497	Winchester	132	129	1	0	2	0
143	Winthrop	204	200	1	0	3	0
491	Woburn	468	456	5	4	3	0
027	Wrentham	127	125	1	0	0	1

Source: RSO-64

Division of Employment Security

Unpublishied Data

Table 51

Labor Force
CETA Prime Sponsors
1981 Annual Average

CETA Prime Sponsors	Labor Force	Employment	Unemployment	Unemployment Rate
Boston (City) NDEA	325,909	302,988	22,921	7.0
EMHRDA (Cambridge)	166,131	156,117	10,014	6.0
Salem (SAETA)	199,137	187,034	12,103	6.1

Source: Massachusetts Division of Employment Security
LAUS Program

Table 52

Racial Characteristics Of The Insured Unemployed
Boston SMSA, CETA Areas By Prime Sponsors And Subgrantees
March 1982

Area Code	Boston SMSA CETA Areas	Total	White	Non-White	Spanish Surname	Other	Not Coded
	Prime Sponsors						
	Boston (Prime Sponsor)	8,071	5,185	2,044	631	207	4
051	Boston City	8,071	5,185	2,044	631	207	4
	Cambridge (E.M.H.R.D.A.)	3,158	2,842	148	137	29	2
062	Arlington	387	376	2	4	4	1
063	Belmont	175	174	0	0	1	0
061	Cambridge	1,061	851	115	84	10	1
101	Somerville	1,171	1,083	31	46	11	0
093	Watertown	364	358	0	3	3	0
	Salem (SAETA)	5,786	5,539	72	116	24	35
412	Beverely	453	445	2	1	1	4
413	Danvers	302	288	4	0	7	3
414	Essex	59	59	0	0	0	0
415	Gloucester	1,051	1,044	2	0	2	3
416	Hamilton	55	55	0	0	0	0
323	Ipswich	149	148	0	0	1	0
251	Lynn	1,313	1,167	52	74	6	14
252	Lynnfield	90	89	0	0	1	0
417	Manchester	55	54	0	0	0	1
418	Marblehead	142	139	1	0	0	2
419	Middleton	65	65	0	0	0	0
253	Nahant	38	38	0	0	0	0
420	Peabody	721	699	4	13	2	3
422	Rockport	171	171	0	0	0	0
411	Salem	641	602	5	26	4	4

Table 52
Racial Characteristics Of The Insured Unemployed
Boston SMSA, CETA Areas By Prime Sponsors And Subgrantees
March 1982

(continued)

Area Code	Boston SMSA CETA Areas	Total	White	Non-White	Spanish Surname	Other	Not Coded
254	Saugus	290	287	2	1	0	0
255	Swampscott	140	138	0	1	0	1
423	Topsfield	29	29	0	0	0	0
424	Wenham	22	22	0	0	0	0
	Subgrantees						
	Chelsea	2,063	1,945	30	69	17	2
141	Chelsea	421	341	11	65	4	0
071	Malden	790	764	17	2	6	1
142	Revere	648	640	1	2	4	1
143	Winthrop	204	200	1	0	3	0
	Medford	3,501	3,420	46	12	22	1
492	Burlington	233	231	1	1	0	0
072	Everett	612	595	10	4	3	0
081	Medford	742	714	21	2	5	0
073	Melrose	279	276	1	0	2	0
493	North Reading	120	120	0	0	0	0
494	Reading	189	184	2	0	3	0
495	Stoneham	224	221	1	0	1	1
074	Wakefield	299	293	2	1	3	0
496	Wilmington	203	201	2	0	0	0
491	Woburn	468	456	5	4	3	0
497	Winchester	132	129	1	0	2	0
	Norwood/Newton	4,520	4,410	39	25	44	2
473	Bedford	80	78	1	1	0	0
052	Brookline	311	281	13	5	12	0
362	Canton	198	196	2	0	0	0
363	Dedham	343	340	0	0	2	1

Table 52

Racial Characteristics Of The Insured Unemployed
Boston SMSA, CETA Areas By Prime Sponsors And Subgrantees
March 1982

(continued)

Area Code	Boston SMSA CETA Areas	Total	White	Non - White	Spanish Surname	Other	Not Coded
364	Dover	16	16	0	0	0	0
022	Foxboro	157	157	0	0	0	0
476	Lexington	140	138	1	0	1	0
477	Lincoln	35	33	1	0	1	0
365	Medfield	78	78	0	0	0	0
366	Millis	101	101	0	0	0	0
092	Needham	164	160	1	1	2	0
091	Newton	727	704	4	1	18	0
367	Norfolk	53	53	0	0	0	0
361	Norwood	432	428	2	1	1	0
026	Plainville	109	108	1	0	0	0
368	Sharon	140	138	2	0	0	0
369	Walpole	258	258	0	0	0	0
471	Waltham	692	662	9	16	5	0
094	Wellesley	96	96	0	0	0	0
479	Weston	132	129	1	0	2	0
370	Westwood	131	131	0	0	0	0
027	Wrentham	127	125	1	0	0	1
	Quincy	4,355	4,290	39	9	13	4
402	Braintree	383	379	1	2	1	0
403	Cohasset	73	72	1	0	0	0
120	Hanover	125	123	2	0	0	0
404	Hingham	181	180	0	1	0	0
123	Holbrook	170	166	2	1	0	1
405	Hull	190	188	1	0	0	1
125	Marshfield	288	278	5	1	2	2

Table 52
Racial Characteristics Of The Insured Unemployed
Boston SMSA, CETA Areas By Prime Sponsors And Subgrantees
March 1982

(continued)

Area Code	Boston SMSA CETA Areas	Total	White	Non - White	Spanish Surname	Other	Not Coded
406	Milton	205	202	1	2	0	0
407	Norwell	81	80	1	0	0	0
401	Quincy	1,138	1,133	1	0	4	0
130	Randolph	384	368	13	0	3	0
132	Rockland	260	257	1	0	2	0
408	Scituate	182	177	5	0	0	0
409	Weymouth	695	687	5	2	1	0

Source: Massachusetts
Division of Employment Security
Unpublished Data RS-064

Table 53

Boston SMSA
Division of Employment Security Labor Force 1981
Annual Average by Local Office

Area	Local Office	Labor Force	Employment	Unemployment	Unemployment Rate
	Boston Office	361,187	336,825	24,362	6.7
051	Boston	325,909	302,988	22,921	7.0
052	Brookline	35,278	33,837	1,441	4.1
	Cambridge Office	166,131	156,118	10,013	6.0
062	Arlington	27,688	26,451	1,237	4.5
063	Belmont	14,454	13,865	589	4.1
061	Cambridge	57,171	53,461	3,710	6.5
101	Somerville	45,737	42,498	3,239	7.1
093	Watertown	21,081	19,843	1,238	5.9
	Chelsea Office	47,247	43,900	3,347	7.1
141	Chelsea	14,405	13,516	889	6.2
142	Revere	22,527	20,739	1,788	7.9
143	Winthrop	10,315	9,645	670	6.5
	Framingham Office	67,945	65,010	2,935	4.3
262	Ashland	4,313	4,126	187	4.3
265	Framingham	32,425	30,980	1,445	4.5
285	Holliston	5,259	5,032	227	4.3
287	Hopkinton	3,279	3,096	183	5.6
268	Natick	15,424	14,799	625	4.5
270	Sherborn	1,501	1,434	67	4.5
518	Westboro	5,744	5,543	201	3.5

Table 53

Boston SMSA
Division of Employment Security Labor Force 1981
Annual Average by Local Office
(continued)

Area	Local Office	Labor Force	Employment	Unemployment	Unemployment Rate
	Lynn Office	70,005	65,596	4,409	6.3
251	Lynn	44,108	41,075	3,033	6.9
252	Lynnfield	4,815	4,586	229	4.8
253	Nahant	2,110	1,975	135	6.4
254	Saugus	12,530	11,846	684	5.5
255	Swampscott	6,442	6,114	328	5.1
	Malden Office	174,913	165,169	9,744	5.6
072	Everett	21,975	20,338	1,637	7.4
071	Malden	28,614	26,972	1,642	5.7
081	Medford	32,204	30,554	1,650	5.1
073	Melrose	15,869	15,127	742	4.7
493	No. Reading	5,079	4,856	223	4.4
494	Reading	10,714	10,294	420	3.9
495	Stoneham	10,553	9,915	638	6.0
074	Wakefield	13,057	12,254	803	6.1
496	Wilmington	7,676	7,196	480	6.3
497	Winchester	10,560	10,051	509	4.8
491	Woburn	18,612	17,612	1,000	5.4
	Norwood Office	64,185	61,649	2,536	4.0
362	Canton	7,921	7,616	305	3.9
363	Dedham	12,746	12,210	536	4.2
364	Dover	2,129	2,016	113	5.3
365	Medfield	3,883	3,734	149	3.8
367	Norfolk	1,726	1,677	49	2.8
361	Norwood	15,850	15,160	690	4.4

Table 53

Boston SMSA
Division of Employment Security Labor Force 1981
Annual Average by Local Office
(continued)

Area	Local Office	Labor Force	Employment	Unemployment	Unemployment Rate
368	Sharon	5,787	5,533	254	4.4
369	Walpole	8,286	7,954	332	4.0
370	Westwood	5,857	5,749	108	1.8
	Quincy Office	128,096	121,420	6,676	5.2
402	Braintree	17,130	16,266	864	5.0
403	Cohasset	2,908	2,827	81	2.8
404	Hingham	8,164	7,751	413	5.1
405	Hull	4,342	4,004	338	7.8
406	Milton	13,279	12,698	581	4.4
407	Norwell	3,350	3,233	117	3.5
401	Quincy	44,972	42,290	2,682	6.0
408	Scituate	7,221	6,831	390	5.4
409	Weymouth	26,730	25,520	1,210	4.5
	Salem Office	94,801	89,898	4,903	5.2
412	Beverly	18,776	17,767	1,009	5.4
413	Danvers	12,288	11,801	487	4.0
416	Hamilton	2,948	2,868	80	2.7
418	Marblehead	10,211	9,753	458	4.5
419	Middleton	1,871	1,772	99	5.3
420	Peabody	23,799	22,549	1,250	5.3
411	Salem	20,990	19,600	1,390	6.6
423	Topsfield	2,209	2,124	85	3.8
424	Wenham	1,709	1,664	45	2.6

Table 53

Boston SMSA
Division of Employment Security Labor Force 1981
Annual Average by Local Office
(continued)

Area	Local Office	Labor Force	Employment	Unemployment	Unemployment Rate
	Waltham Office	148,122	141,637	6,485	4.4
473	Bedford	5,451	5,235	216	4.0
492	Burlington	9,545	9,090	455	4.8
476	Lexington	14,855	14,251	604	4.1
477	Lincoln	2,505	2,448	57	2.3
092	Needham	13,719	13,132	587	4.3
091	Newton	46,387	44,267	2,120	4.6
471	Waltham	32,073	30,488	1,585	4.9
478	Wayland	6,059	5,817	242	4.0
094	Wellesley	12,720	12,269	451	3.5
479	Weston	4,808	4,640	168	3.5

Source: Massachusetts Division of Employment Security
LAUS Program

Table 54
Greater Boston Region
By Local Office by City and Town
Labor Force 1981 Annual Average

Local Office	Labor Force	Employment	Unemployment	Rate
REGION	1,089,881	1,026,718	63,163	5.8
Boston Office	361,817	336,825	24,362	6.7
Boston	325,909	302,988	22,921	7.0
Brookline	35,278	33,837	1,441	4.1
Cambridge Office	166,131	156,118	10,013	6.0
Arlington	27,688	26,451	1,237	4.5
Belmont	14,454	13,865	589	4.1
Cambridge	57,171	53,461	3,710	6.5
Somerville	45,737	42,498	3,239	7.1
Watertown	21,081	19,843	1,238	5.9
Chelsea Office	47,247	43,900	3,347	7.1
Chelsea	14,405	13,516	889	6.2
Revere	22,527	20,739	1,788	7.9
Winthrop	10,315	9,645	670	6.5
Malden Office	174,913	165,169	9,744	5.6
Everett	21,975	20,338	1,637	7.4
Malden	28,614	26,972	1,642	5.7
Medford	32,204	30,554	1,650	5.1
Melrose	15,869	15,127	742	4.7
North Reading	5,079	4,856	223	4.4
Reading	10,714	10,294	420	3.9
Stoneham	10,553	9,915	638	6.8
Wakefield	13,057	12,254	803	6.1
Wilmington	7,676	7,196	480	6.3
Winchester	10,560	10,051	509	4.8
Woburn	18,612	17,612	1,000	5.4
Norwood Office	64,185	61,649	2,536	4.0
Canton	7,921	7,616	305	3.9
Dedham	12,746	12,210	536	4.2
Dover	2,129	2,016	113	5.3
Medfield	3,883	3,734	149	3.8
Norfolk	1,726	1,677	49	2.8
Norwood	15,850	15,160	690	4.4
Sharon	5,787	5,533	254	4.4
Walpole	8,286	7,954	332	4.0
Westwood	5,857	5,749	108	1.8

Table 54
Greater Boston Region
By Local Office by City and Town
Labor Force 1981 Annual Average
(continued)

Local Office	Labor Force	Employment	Unemployment	Rate
Quincy Office	128,096	121,420	6,676	5.2
Braintree	17,130	16,266	864	5.0
Cohasset	2,908	2,827	81	2.8
Hingham	8,164	7,751	413	5.1
Hull	4,342	4,004	338	7.8
Milton	13,279	12,698	581	4.4
Norwell	3,350	3,233	117	3.5
Quincy	44,972	42,290	2,682	6.0
Scituate	7,221	6,831	390	5.4
Weymouth	26,730	25,520	1,210	4.5
Waltham Office	148,122	141,637	6,485	4.4
Bedford	5,451	5,235	216	4.0
Burlington	9,545	9,090	455	4.8
Lexington	14,855	14,251	604	4.1
Lincoln	2,505	2,448	57	2.2
Needham	13,719	13,132	587	4.3
Newton	46,387	44,267	2,120	4.6
Waltham	32,073	30,488	1,585	4.9
Wayland	6,059	5,817	242	4.0
Wellesley	12,720	12,269	451	3.5
Weston	4,808	4,640	168	3.5

Source: Division of Employment Security
LAUS Program

Table 55

Unemployment Rates* 1975 - 1982 For
Marlborough LMA - Massachusetts - United States

Period		Marlborough LMA	Massachusetts	United States
1975		7.9	11.2	8.5
1976		6.1	9.5	7.7
1977		5.1	8.1	7.0
1978		4.4	6.1	6.0
1979		3.6	5.5	5.8
1980		4.0	5.6	7.1
1981		5.1	6.4	7.6
	January	4.4	6.4	8.2
	February	4.9	6.3	8.0
	March	4.3	6.1	7.7
	April	4.3	5.1	7.0
	May	4.6	5.8	7.1
	June	6.5	6.3	7.7
	July	4.9	6.6	7.3
	August	5.7	7.2	7.2
	September	5.8	6.6	7.3
	October	5.2	6.7	7.5
	November	5.0	6.3	7.9
	December	5.2	6.9	8.3
1982				
	January	5.9	6.9	8.5
	February	6.5	7.8	8.8
	March	5.5	7.3	9.0
	April	6.1	8.5	9.4

Source: Massachusetts Division of Employment Security

* 1981 - 1982 Monthly Figures Not Adjusted For Seasonality

Table 56

Marlboro LMA Labor Force
Annual Average 1975 - 1981

Year	Labor Force	Employment	Unemployment	Unemployment Rate
1975	38,560	35,526	3,034	7.9
1976	43,216	40,594	2,622	6.1
1977	48,603	46,116	2,487	5.1
1978	49,667	47,493	2,174	4.4
1979	58,172	56,096	2,076	3.6
1980	59,788	57,378	2,410	4.0
1981	59,185	56,185	3,000	5.1

Source: Massachusetts Division of Employment Security.
Local Area Unemployment Statistics Program.

Table 57

Marlborough LMA Labor Force *
1981 - 1982

Period	Labor Force	Employment	Unemployment	Unemployment Rate
1981:				
January	57,050	54,538	2,512	4.4
February	58,253	55,407	2,828	4.9
March	58,243	55,739	2,504	4.3
April	56,365	53,960	2,405	4.3
May	57,025	54,398	2,627	4.6
June	60,309	56,419	3,890	6.5
July	58,782	55,964	2,878	4.9
August	59,713	56,311	3,402	5.7
September	60,176	56,678	3,498	5.8
October	61,077	57,872	3,205	5.2
November	61,908	58,819	3,089	5.0
December	61,332	58,171	3,161	5.2
Annual Average	59,185	56,185	3,000	5.1
1982:				
January	57,100	53,740	3,360	5.9
February	56,960	53,370	3,590	6.5
March	57,288	54,138	3,150	5.5
April	56,210	52,780	3,430	6.1

Source: Massachusetts Division of Employment Security
* Monthly figures not adjusted for seasonality

Table 58
Unemployment Insurance Claims
Marlborough LMA

Date	Initial Claims Regular Program	Continued Weeks Claimed Regular Program
1981:		
January	92	853
February	144	872
March	72	779
April	147	715
May	74	642
June	214	678
July	84	1,026
August	41	918
September	83	940
October	69	623
November	126	653
December	148	860
1982:		
January	132	1,176
February	113	1,212
March	89	1,010
April	117	1,046

Source: Massachusetts Division of Employment Security. Local Area Unemployment Statistics Program. Unpublished Data

Table 59

Racial Characteristics of Insured Unemployed

By Place of Residence Marlborough CETA Area
March 1982

Area Code	City/Town	Total	White	Non-White	Spanish Surname	Other	Not Coded
	Marlborough Consortium	3,269	3,045	115	79	27	3
472	Acton	107	101	5	1	0	0
262	Ashland	110	106	1	0	3	0
282	Bellingham	223	219	1	2	1	0
165	Boxborough	23	22	1	0	0	0
474	Carlisle	14	14	0	0	0	0
475	Concord	92	87	5	0	0	0
265	Framingham	642	606	10	19	7	0
284	Franklin	305	304	0	0	1	0
285	Holliston	108	107	0	1	0	0
287	Hopkinton	90	88	2	0	0	0
266	Hudson	267	200	20	45	2	0
246	Littleton	64	59	3	0	1	1
261	Marlborough	433	383	35	8	6	1
267	Maynard	115	102	11	1	1	0
288	Medway	122	121	1	0	0	0
268	Natick	272	263	6	0	3	0
270	Sherborn	13	13	0	0	0	0
272	Southborough	60	58	2	0	0	0
273	Stow	43	38	4	1	0	0
274	Sudbury	83	73	7	1	2	0
478	Wayland	83	81	1	0	0	1

Source: RSO - 64 Massachusetts Division of Employment Security Unpublished Data

Table 60

Racial Characteristics of Insured Unemployed

By Place of Residence Marlborough LMA

March 1982

Area Code	City/Town	Total	White	Non-White	Spanish Surname	Other	Not Coded
	MARLBOROUGH LMA	949	811	72	55	10	1
264	Bolton	31	30	0	0	1	0
266	Hudson	267	200	20	45	2	0
261	Marlborough	433	383	35	8	6	1
267	Maynard	115	102	11	1	1	0
272	Southborough	60	58	2	0	0	0
273	Stow	43	38	4	1	0	0

Source: RSO - 64

Massachusetts Division of Employment Security Unpublished Data

Table 61

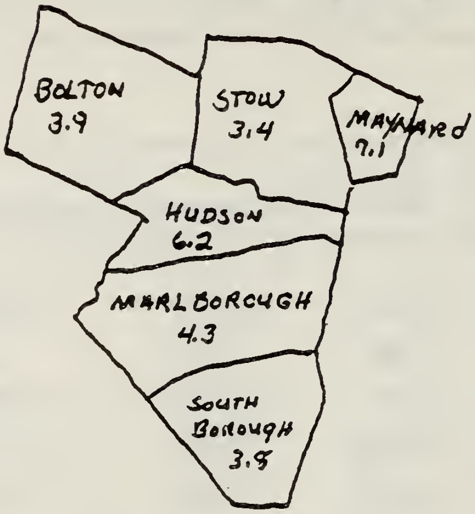
Division of Employment Security Labor Force 1981
Annual Average by Marlborough Labor Market Area and Local Office

Location	Labor Force	Employment	Unemployment	Unemployment Rate
Marlborough LMA	59,185	56,185	3,000	5.1
Bolton	1,584	1,523	61	3.9
Hudson	14,300	13,416	884	6.2
Marlborough	26,038	24,931	1,107	4.3
Maynard	9,331	8,670	661	7.1
Southborough	4,633	4,459	174	3.8
Stow	3,298	3,185	113	3.4
Local Office				
Marlborough	85,990	81,764	4,226	4.9
Acton	6,449	6,189	260	4.0
Berlin	1,139	1,074	65	5.7
Bolton	1,584	1,523	61	3.9
Boxborough	621	602	19	3.1
Carlisle	1,240	1,202	38	3.1
Concord	7,031	6,652	379	5.4
Hudson	14,300	13,416	884	6.2
Marlborough	26,038	24,931	1,107	4.3
Maynard	9,331	8,670	661	7.1
Northborough	4,579	4,374	205	4.5
Southborough	4,633	4,459	174	3.8
Stow	3,298	3,185	113	3.4
Sudbury	5,747	5,487	260	4.5

Source: Massachusetts Division of Employment Security
LAUS Program

Map 5

Marlborough LMA Percent Unemployed
1981 Annual Average
By City and Town



Map 6

Milford LMA
Percent Unemployed
1981 Annual Average by Town

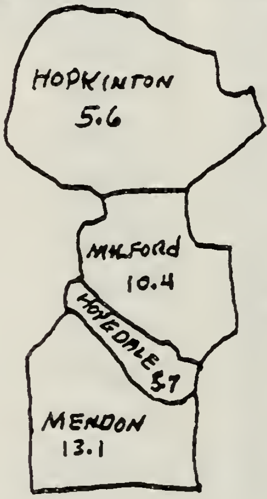


Table 62

Unemployment Rates* 1975 - 1982 For
Milford LMA - Massachusetts - United States

Period		Milford LMA	Massachusetts	United States
1975		13.1	11.2	8.5
1976		10.2	9.5	7.7
1977		8.0	8.1	7.0
1978		5.6	6.1	6.0
1979		5.3	5.5	5.8
1980		7.2	5.6	7.1
1981		9.5	6.4	7.6
	January	8.8	6.4	8.2
	February	9.2	6.3	8.0
	March	9.1	6.1	7.7
	April	7.5	5.1	7.0
	May	8.5	5.8	7.1
	June	9.9	6.3	7.7
	July	11.2	6.6	7.3
	August	12.5	7.2	7.2
	September	11.5	6.6	7.3
	October	8.1	6.7	7.5
	November	8.2	6.3	7.9
	December	9.7	6.9	8.3
1982				
	January	11.2	6.9	8.5
	February	12.5	7.8	8.8
	March	10.0	7.3	9.0
	April	11.6	8.5	9.4

Source: Massachusetts Division of Employment Security

* 1981 - 1982 Monthly Figures Not Adjusted for Seasonality

Table 63

Milford LMA Labor Force
Annual Average 1975 - 1981

Year	Labor Force	Employment	Unemployment	Unemployment Rate
1975	19,720	17,134	2,586	13.1
1976	18,954	17,015	1,939	10.2
1977	18,014	16,567	1,447	8.0
1978	20,194	19,072	1,122	5.6
1979	18,223	17,263	960	5.3
1980	17,729	16,453	1,276	7.2
1981	18,837	17,039	1,798	9.5

Source: Massachusetts Division of Employment Security.
Local Area Unemployment Statistics Program.

Table 64

Milford LMA Labor Force *
1981 - 1982

Period	Labor Force	Employment	Unemployment	Unemployment Rate
1981:				
January	18,503	16,868	1,635	8.8
February	18,663	16,941	1,722	9.2
March	18,526	16,848	1,678	9.1
April	17,912	16,560	1,352	7.5
May	18,327	16,772	1,555	8.5
June	19,211	17,302	1,909	9.9
July	19,176	17,021	2,155	11.2
August	18,867	16,503	2,364	12.5
September	19,195	16,911	2,204	11.5
October	19,065	17,513	1,552	8.1
November	19,233	17,662	1,571	8.2
December	19,359	17,484	1,875	9.7
Annual Average	18,837	17,039	1,798	9.5
1982:				
January	19,590	17,390	2,200	11.2
February	18,880	16,510	2,370	12.5
March	18,380	16,550	1,830	10.0
April	18,420	16,280	2,140	11.6

Source: Massachusetts Division of Employment Security
* Monthly figures not adjusted for seasonality

Table 65
Unemployment Insurance Claims
Milford LMA

Date	Initial Claims Regular Program	Continued Weeks Claimed Regular Program
1981:		
January	83	941
February	152	940
March	90	892
April	183	734
May	154	644
June	287	698
July	76	1,180
August	75	1,115
September	81	1,054
October	90	547
November	119	680
December	245	910
1982:		
January	132	1,143
February	100	1,189
March	78	879
April	100	975

Source: Massachusetts Division of Employment Security. Local Area Unemployment Statistics Program. Unpublished Data

Table 66

Racial Characteristics of Insured Unemployed By Place of Residence Milford LMA

March 1982

Area Code	City/Town	Total	White	Non-White	Spanish Surname	Other	Not Coded
	MILFORD LMA	673	645	5	16	3	4
286	Hopedale	66	63	0	0	1	2
287	Hopkinton	90	88	2	0	0	0
289	Mendon	53	53	0	0	0	0
281	Milford	464	441	3	16	2	2

Source: RSO - 64

Massachusetts Division of Employment Security Unpublished Data

Table 67

Division of Employment Security Labor Force 1981
Annual Average for the Milford LMA

Location	Labor Force	Employment	Unemployment	Unemployment Rate
Milford LMA	18,837	17,039	1,798	9.5
Hopdale	2,306	2,106	200	8.7
Hopkinton	3,279	3,096	183	5.6
Mendon	1,459	1,268	191	13.1
Milford	11,791	10,568	1,223	10.4

Source: Massachusetts Division of Employment Security
LAUS Program

VII. Estimate of Need for Employment Services

A. Fiscal Year 1983 Projections by CETA Area

The Lawrence Berkeley Projections for fiscal year 1983 are primarily used by manpower planners to formulate employment and training programs by CETA area. The population projections are based upon the 1980 census. The labor force and unemployment projections are based upon our assessment of the fiscal year 1983 unemployment and labor force participation rates for the four areas covered.

The projections for the target group, the economically disadvantaged age 18 and over, indicate that there will be 180,280 individuals in this category who will live in the Boston SMSA during fiscal year 1983. Of this number, 69,037 (38.3 percent) will reside in Boston (NDEA) prime sponsor area; 23,232 (12.9 percent) will reside in the Cambridge (EMHRDA) prime sponsor area; and 21,740 (12.1 percent) will reside in the Salem (SAETA) prime sponsor area. Within the Boston SMSA, nonwhites will account for 14.4 percent of the economically disadvantaged age 18 and older. In Boston (NDEA) nonwhite representation in this group will be 40.5 percent; 15 percent in Cambridge (EMHRDA); and 3 percent in Salem (SAETA).

The United States Department of Labor, Employment and Training Administration (ETA) defines economically disadvantaged as a person who is:

1. a member of a family who received public assistance.
2. a member of a family whose income during the previous 6 months or on an annualized basis was such that it:
   - would have qualified for public assistance; or,
   - does not exceed the poverty level; or,
   - does not exceed 70 percent of the lower living standards income level.

3. a foster child on whose behalf state or local government payments are made.

4. in a position where such status presents significant barriers to employment such as a:
   - A. client of a sheltered work shop.
   - B. handicapped individual.
   - C. regular outpatient of a mental hospital, rehabilitation facility or similar institution.

Table 68 gives poverty guidelines for all states for both farm and nonfarm families, and size of family.

Table 68

Poverty Level Guidelines for all States 1982
(Except Alaska and Hawaii)

Family Size	Nonfarm Family*	Farm Family**
1	4,680	4,010
2	6,220	5,310
3	7,760	6,610
4	9,300	7,910
5	10,840	9,210
6	12,380	10,510

* Add $1,540 for each additional family member

** Add $1,300 for each additional family member

Source: Office of Management and Budget

The Lawrence Berkeley Projections also provide data for other target groups within the Prime Sponsor areas. Those employed part-time for economic reasons are projected to number 71,482 individuals in the Boston SMSA. Of this group 14,851 (20.8 percent) are in the Boston (NDEA) Prime Sponsor; 7,500 (10.5 percent) in the Cambridge (EMHRDA) Prime Sponsor, and 9,611 (13.4 percent) in the Salem (SAETA) Prime Sponsor. People who are employed part-time for economic reasons can usually benefit from job training because skills used in their part-time positions are often not adequate for full-time career positions.

The long-term unemployed, as used in these projections, is defined as persons who are unemployed for 15 weeks or more in one year. In the Boston SMSA 26,242 individuals are estimated to be long-term unemployed. This figure represents 28 percent of the total unemployment figure of 93,859. In Boston (NDEA) it is estimated that long-term unemployment will number 6,250 and account for 30.2 percent of the total; Cambridge (EMHRDA) will have 3,146 or 29.5 percent of the total; and Salem (SAETA) with 26.1 percent of the total or 3,055. The problem of long-term unemployment is very serious when we consider its economic and social costs. For those who want to work it can cause severe physical and emotional stress. The goal of manpower planning should be directed towards identifying the causes of long-term unemployment, and implementing solutions through employment and training policies and programs.

Tables 69 through 88 give labor force composition and projections, long-term unemployed, different individuals unemployed during the year, employed part-time for economic reasons, and economically disadvantaged 18 years and over for the four planning areas.

Table 69
Population and Labor Force Composition Projections
Fiscal Year 1983
Boston SMSA

Category	Population	Labor Force	Employment	Unemployment	Unemployment Rate	Labor Force Participation Rate
TOTAL	2,759,798	1,443,952	1,350,093	93,859	6.5	65.9
White Male	1,175,590	704,162	657,733	46,429	6.6	76.3
0-15	253,279	--	--	--	--	--
16-19	80,648	51,179	43,051	8,128	15.9	63.5
20-24	110,153	84,526	74,634	9,892	11.7	76.7
25-34	209,726	194,032	180,044	13,988	7.2	92.5
35-44	154,028	145,803	139,285	6,518	4.5	94.7
45-64	237,976	198,319	191,602	6,717	3.4	83.3
65+	129,780	30,303	29,117	1,186	3.9	23.3
White Female	1,317,296	614,920	582,267	32,653	5.3	57.1
0-15	240,389	--	--	--	--	--
16-19	81,250	62,336	55,496	6,840	11.0	76.7
20-24	114,226	94,803	89,695	5,108	5.4	83.0
25-34	213,537	153,824	145,363	8,461	5.5	72.0
35-44	160,685	111,890	107,299	4,591	4.1	69.6
45-64	271,805	165,857	159,273	6,584	4.0	61.0
65+	235,404	26,210	25,141	1,069	4.1	11.1
Nonwhite Male	127,220	66,504	57,674	8,830	13.3	73.8
0-15	37,139	--	--	--	--	--
16-19	8,420	3,956	2,685	1,271	32.1	47.0
20-24	12,301	8,263	7,007	1,256	15.2	67.2
25-34	23,526	20,149	17,004	3,145	15.6	85.6
35-44	18,943	16,815	14,878	1,937	11.5	88.8
45-64	20,645	16,289	15,173	1,116	6.8	78.9
65+	6,246	1,032	927	105	10.1	16.5
Nonwhite Female	139,692	58,366	52,419	5,947	10.2	57.3
0-15	37,869	--	--	--	--	--
16-19	8,669	5,127	3,943	1,184	23.1	59.1
20-24	12,543	7,056	5,799	1,257	17.8	56.3
25-34	25,084	14,689	13,684	1,005	6.8	58.6
35-44	22,362	14,686	13,661	1,025	7.0	65.7
45-64	22,621	15,665	14,257	1,408	9.0	69.3
65+	10,544	1,143	1,075	68	5.9	10.8

Table 70

Labor Force Composition Projected Change

1970 - 1983

Boston SMSA

Race and Age	April 1, 1970	July 1, 1983	Change 1970 to 1983 Number	Change 1970 to 1983 Percent
TOTAL	1,177,942	1,443,952	266,010	22.6
White Males	665,332	704,162	38,830	5.8
16-17	21,954	25,195	3,241	14.8
18-19	25,745	25,984	239	0.9
20-24	73,051	84,526	11,475	15.7
25-34	136,459	194,032	57,573	42.2
35-44	136,350	145,803	9,453	6.9
45-64	235,676	198,319	- 37,357	- 15.9
65+	36,097	30,303	- 5,794	- 16.1
White Females	458,048	614,920	156,872	34.2
16-17	20,174	33,802	13,628	67.6
18-19	27,377	28,534	1,157	4.2
20-24	79,419	94,803	15,384	19.4
25-34	67,899	153,824	85,925	126.5
35-44	70,271	111,890	41,619	59.2
45-64	167,691	165,857	- 1,834	- 1.1
65+	25,217	26,210	993	3.9
Nonwhite Males	29,791	66,504	36,713	123.2
16-17	871	1,948	1,077	123.7
18-19	1,206	2,008	802	66.5
20-24	3,785	8,263	4,478	118.3
25-34	8,267	20,149	11,882	143.7
35-44	6,533	16,815	10,282	157.4
45-64	8,233	16,289	8,056	97.9
65+	896	1,032	136	15.2
Nonwhite Females	24,771	58,366	33,595	135.6
16-17	747	2,544	1,797	240.6
18-19	1,505	2,583	1,078	71.6
20-24	4,212	7,056	2,844	67.5
25-34	5,831	14,689	8,858	151.9
35-44	4,710	14,686	9,976	211.8
45-64	6,956	15,665	8,709	125.2
65+	810	1,143	333	41.1

Table 71
Additional Unemployment Projections
Fiscal Year 1983

Boston SMSA

Group	Unemployment	Unemployment Rate	Long-Term Unemployment	Different Individuals Unemployed During Year
TOTAL	93,859	6.5	26,242	303,475
White Male	46,429	6.6	17,691	144,858
White Female	32,653	5.3	3,849	114,286
Nonwhite Male	8,830	13.3	3,862	26,490
Nonwhite Female	5,947	10.2	840	17,841

Table 72
Employed Part-time for Economic Reasons
Boston SMSA

Group	Number
TOTAL	71,482
White Male	24,994
White Female	39,012
Nonwhite Male	3,230
Nonwhite Female	4,246

Table 73
Economically Disadvantaged 18 Years and Over

Boston SMSA

Group	Number
TOTAL	180,280
White	154,320
Black	23,076
Other	2,884
Spanish*	9,032

* Sum of Spanish and all races, except white. Some duplication possible since Spanish may include nonwhite races as well as white.

Table 74
Population and Labor Force Composition Projections
Fiscal Year 1983
Boston (City) MDEA

Category	Population	Labor Force	Employment	Unemployment	Unemployment Rate	Labor Force Participation Rate
TOTAL	562,580	279,730	259,029	20,701	7.4	64.3
White Male	173,386	95,639	88,528	7,111	7.4	70.2
0-15	37,178	--	--	--	--	--
16-19	13,221	7,914	6,859	1,055	13.3	59.9
20-24	20,549	14,326	12,659	1,667	11.6	69.7
25-34	34,565	30,355	27,862	2,493	8.2	87.8
35-44	20,553	18,272	17,257	1,015	5.6	88.9
45-64	27,265	20,691	19,935	756	3.7	75.9
65+	20,055	4,081	3,956	125	3.1	20.3
White Female	205,819	101,675	97,151	4,524	4.4	60.0
0-15	36,479	--	--	--	--	--
16-19	13,329	10,142	9,095	1,047	10.3	76.1
20-24	19,875	16,588	15,971	617	3.7	83.5
25-34	37,647	31,988	30,574	1,414	4.4	85.0
35-44	23,782	17,734	17,127	607	3.4	74.6
45-64	32,529	20,265	19,612	653	3.2	62.3
65÷	42,178	4,958	4,772	186	3.8	11.8
Nonwhite Male	87,627	40,055	38,524	5,531	12.6	73.0
0-15	27,312	--	--	--	--	--
16-19	6,276	2,902	1,974	928	32.0	46.2
20-24	8,768	6,189	5,366	823	13.3	70.6
25-34	15,330	13,231	11,256	1,975	14.9	86.3
35-44	12,131	10,430	9,332	1,098	10.5	86.0
45-64	13,981	10,743	10,106	637	5.9	76.8
65+	3,829	560	490	70	12.6	14.6
Nonwhite Female	95,748	38,361	34,826	3,535	9.2	55.5
0-15	26,573	--	--	--	--	--
16-19	6,512	3,599	2,814	785	21.8	55.3
20-24	8,957	4,874	4,083	791	16.2	54.4
25-34	16,800	9,518	8,975	543	5.7	56.7
35-44	14,809	9,190	8,669	521	5.7	62.1
45-64	15,666	10,510	9,649	861	8.2	67.1
65+	6,431	670	636	34	5.0	10.4

Table 75

Labor Force Composition Projected Change

1970 - 1983

Boston (City) NDEA

Race and Age	April 1, 1970	July 1, 1983	Change 1970 to 1983	
			Number	Percent
TOTAL	278,607	279,730	1,123	0.4
White Males	129,084	95,639	-33,445	- 25.9
16-17	3,803	4,235	432	11.4
18-19	5,938	3,679	- 2,259	- 38.0
20-24	18,714	14,326	- 4,388	- 23.4
25-34	28,057	30,355	2,298	8.2
35-44	22,275	18,272	- 4,003	- 18.0
45-64	42,281	20,691	- 21,590	- 51.1
65+	8,016	4,081	- 3,935	- 49.1
White Females	108,479	101,675	- 6,804	- 6.3
16-17	3,821	5,961	2,140	56.0
18-19	7,604	4,181	- 3,423	- 45.0
20-24	24,927	16,588	- 8,339	- 33.5
25-34	16,056	31,988	15,932	99.2
35-44	12,807	17,734	4,927	38.5
45-64	36,398	20,265	- 16,133	- 44.3
65+	6,866	4,958	- 1,908	- 27.8
Nonwhite Males	22,482	44,055	21,573	96.0
16-17	696	1,392	696	100.0
18-19	905	1,510	605	66.9
20-24	2,904	6,189	3,285	113.1
25-34	6,229	13,231	7,002	112.4
35-44	4,960	10,430	5,470	110.3
45-64	6,179	10,743	4,564	73.9
65+	609	560	- 49	- 8.0
Nonwhite Females	18,562	38,361	19,799	106.7
16-17	560	1,721	1,161	207.3
18-19	1,188	1,878	690	58.1
20-24	3,365	4,874	1,509	44.8
25-34	4,446	9,518	5,072	114.1
35-44	3,444	9,190	5,746	166.8
45-64	4,995	10,510	5,515	110.4
65+	564	670	106	18.8

Table 76
Additional Unemployment Projections
Fiscal Year 1983

Boston (City) NDEA

Group	Unemployment	Unemployment Rate	Long-Term Unemployment	Different Individuals Unemployed During Year
TOTAL	20,701	7.4	6,250	65,586
White Male	7,111	7.4	2,812	21,333
White Female	4,524	4.4	581	17,055
Nonwhite Male	5,531	12.6	2,363	16,593
Nonwhite Female	3,535	9.2	494	10,605

Table 77
Employed Part-time for Economic Reasons
Boston (City) NDEA

Group	Number
TOTAL	14,851
White Male	3,364
White Female	6,509
Nonwhite Male	2,157
Nonwhite Female	2,821

Table 78
Economically Disadvantaged 18 Years and Over
Boston (City) NDEA

Group	Number
TOTAL	69,037
White	41,065
Black	25,213
Other	2,759
Spanish*	6,999

* Sum of Spanish and all races, except white. Some duplication possible since Spanish may include nonwhite races as well as white.

Table 79
Population and Labor Force Composition Projections
Fiscal Year 1983

Cambridge-EMHRDA

Category	Population	Labor Force	Employment	Unemployment	Unemployment Rate	Labor Force Participation Rate
TOTAL	281,501	150,281	139,611	10,670	7.1	66.7
White Male	120,127	69,043	64,195	4,848	7.0	73.5
0-15	26,240	--	--	--	--	--
16-19	7,723	4,801	--	--	--	62.2
20-24	10,518	7,038	--	--	--	66.9
25-34	23,929	19,930	--	--	--	83.3
35-44	21,933	19,882	--	--	--	90.6
45-64	18,359	14,844	--	--	--	80.9
65+	11,425	2,548	--	--	--	22.3
White Female	136,066	68,336	64,147	4,189	6.1	60.9
0-15	23,867	--	--	--	--	--
16-19	7,784	6,180	--	--	--	79.4
20-24	11,960	10,066	--	--	--	84.2
25-34	25,196	21,926	--	--	--	87.0
35-44	19,822	14,592	--	--	--	73.6
45-64	20,741	12,718	--	--	--	61.3
65+	26,696	2,854	--	--	--	10.7
Nonwhite Male	12,856	6,895	6,010	885	12.8	70.7
0-15	3,109	--	--	--	--	--
16-19	792	430	--	--	--	54.3
20-24	1,261	706	--	--	---	56.0
25-34	2,666	1,998	--	--	--	74.9
35-44	2,492	2,208	--	--	--	88.6
45-64	1,909	1,425	--	--	--	74.6
65+	627	128	--	--	--	20.4
Nonwhite Female	12,452	6,007	5,259	748	12.5	63.4
0-15	2,975	--	--	--	--	--
16-19	627	474	--	--	--	75.6
20-24	1,096	537	--	--	--	49.0
25-34	2,484	1,790	--	--	--	72.1
35-44	2,555	1,905	--	--	--	74.6
45-64	1,679	1,201	--	--	--	71.5
65+	1,036	100	--	--	--	9.7

Table 80

Labor Force Composition Projected Change

1970 - 1983

Cambridge-EMHRDA

Race and Age	April 1, 1970	July 1, 1983	Change 1970 to 1983	
			Number	Percent
TOTAL	142,608	150,281	7,673	5.4
White Males	78,175	69,043	- 9,132	- 11.7
16-17	2,248	2,472	224	10.0
18-19	3,536	2,329	- 1,207	- 34.1
20-24	11,419	7,038	- 4,381	- 38.4
25-34	18,357	19,930	1,573	8.6
35-44	13,333	19,882	6,549	49.1
45-64	24,858	14,844	-10,014	- 40.3
65+	4,424	2,548	- 1,876	- 42.4
White Females	59,401	68,336	8,935	15.0
16-17	2,028	3,310	1,282	63.2
18-19	3,100	2,870	- 230	- 7.4
20-24	12,121	10,066	- 2,055	- 17.0
25-34	11,246	21,926	10,680	95.0
35-44	7,456	14,592	7,136	95.7
45-64	20,212	12,718	- 7,494	- 37.1
65+	3,238	2,854	- 384	- 11.9
Nonwhite Males	2,755	6,895	4,140	150.3
16-17	53	230	177	334.0
18-19	172	200	28	16.3
20-24	363	706	343	94.5
25-34	976	1,998	1,022	104.7
35-44	462	2,208	1,746	377.9
45-64	612	1,425	813	132.8
65+	117	128	11	9.4
Nonwhite Females	2,277	6,007	3,730	163.8
16-17	65	292	227	349.2
18-19	138	182	44	31.9
20-24	273	537	264	96.7
25-34	647	1,790	1,143	176.7
35-44	343	1,905	1,562	455.4
45-64	731	1,201	470	64.3
65+	80	100	20	25.0

Table 81
Additional Unemployment Projections
Fiscal Year 1983
Cambridge-EMHRDA

Group	Unemployment	Unemployment Rate	Long-Term Unemployment	Different Individuals Unemployed During Year
TOTAL	10,670	7.1	3,146	33,141
White Male	4,848	7.0	1,877	14,544
White Female	4,189	6.1	718	13,698
Nonwhite Male	885	12.8	378	2,655
Nonwhite Female	748	12.5	173	2,244

Table 82
Employed Part-time for Economic Reasons
Cambridge-EMHRDA

Group	Number
TOTAL	7,500
White Male	2,439
White Female	4,298
Nonwhite Male	337
Nonwhite Female	426

Table 83
Economically Disadvantaged 18 Years and Over
Cambridge-EMHRDA

Group	Number
TOTAL	23,232
White	19,751
Black	3,025
Other	456
Spanish*	1,649

* Sum of Spanish and all races, except white. Some duplication possible since Spanish may include nonwhite races as well as white.

Table 84
Population and Labor Force Composition Projections
Fiscal Year 1983

Salem - SAETA

Category	Population	Labor Force	Employment	Unemployment	Unemployment Rate	Labor Force Participation Rate
TOTAL	366,892	198,342	186,639	11,703	5.9	67.8
White Male	168,895	106,769	100,162	6,607	6.2	80.7
0-15	36,555	--	--	--	--	--
16-19	11,614	8,237	--	--	--	70.9
20-24	14,887	13,466	--	--	--	90.5
25-34	27,378	26,830	--	--	--	98.0
35-44	21,324	20,898	--	--	--	98.0
45-64	36,678	32,914	--	--	--	89.7
65+	20,459	4,424	--	--	--	21.6
White Female	188,183	87,038	82,281	4,757	5.5	56.7
0-15	34,650	--	--	--	--	--
16-19	11,021	8,318	--	--	--	75.5
20-24	13,763	11,173	--	--	--	81.2
25-34	27,361	19,236	--	--	--	70.3
35-44	23,783	17,319	--	--	--	72.8
45-64	42,285	27,182	--	--	--	64.3
65+	35,320	3,810	--	--	--	10.8
Nonwhite Male	4,124	2,091	1,894	197	9.4	81.4
0-15	1,555	--	--	--	--	--
16-19	300	51	--	--	--	50.3
20-24	308	300	--	--	--	97.4
25-34	570	559	--	--	--	98.1
35-44	537	504	--	--	--	93.9
45-64	655	552	--	--	--	84.3
65+	199	25	--	--	--	12.6
Nonwhite Female	5,690	2,444	2,302	142	5.8	59.6
0-15	1,590	--	--	--	--	--
16-19	303	207	--	--	--	68.3
20-24	369	225	--	--	--	61.0
25-34	731	361	--	--	--	49.4
35-44	1,136	806	--	--	--	71.0
45-64	1,137	781	--	--	--	68.7
65+	424	64	--	--	--	15.1

table 85

Labor Force Composition Projected Change

1970 - 1983

Salem - SAETA

Race and Age	April 1, 1970	July 1, 1983	Change 1970 to 1983	
			Number	Percent
TOTAL	163,358	198,342	34,984	21.4
White Males	98,711	106,769	8,058	8.2
16-17	3,437	3,892	455	13.2
18-19	3,067	4,345	1,278	41.7
20-24	9,412	13,466	4,054	43.1
25-34	19,726	26,830	7,104	36.0
35-44	21,155	20,898	- 257	- 1.2
45-64	37,296	32,914	- 4,382	- 11.7
65+	4,618	4,424	- 194	- 4.2
White Females	63,244	87,038	23,794	37.6
16-17	2,803	4,256	1,453	51.8
18-19	3,474	4,062	588	16.9
20-24	8,405	11,173	2,768	32.9
25-34	8,884	19,236	10,352	116.5
35-44	10,970	17,319	6,349	57.9
45-64	25,331	27,182	1,851	7.3
65+	3,377	3,810	433	12.8
Nonwhite Males	768	2,091	1,323	172.3
16-17	29	51	22	75.9
18-19	23	100	77	334.8
20-24	128	300	172	134.4
25-34	231	559	328	142.0
35-44	112	504	392	350.0
45-64	232	552	320	137.9
65+	13	25	12	92.3
Nonwhite Females	635	2,444	1,809	284.9
16-17	25	99	74	296.0
18-19	51	108	57	111.8
20-24	108	225	117	108.3
25-34	121	361	240	198.3
35-44	133	806	673	506.0
45-64	153	781	628	410.5
65+	44	64	20	454.6

Table 86
Additional Unemployment Projections
Fiscal Year 1983
Salem-SAETA

Group	Unemployment	Unemployment Rate	Long-Term Unemployment	Different Individuals Unemployed During Year
TOTAL	11,703	5.9	3,055	38,807
White Male	6,607	6.2	2,346	21,376
White Female	4,757	5.5	611	16,364
Nonwhite Male	197	9.4	67	591
Nonwhite Female	142	5.8	31	476

Table 87
Employed Part-time for Economic Reasons
Salem-SAETA

Group	Number
TOTAL	9,611
White Male	3,806
White Female	5,513
Nonwhite Male	106
Nonwhite Female	186

Table 88
Economically Disadvantaged 18 Years and Over
Salem-SAETA

Group	Number
TOTAL	21,740
White	21,088
Black	500
Other	152
Spanish*	500

* Sum of Spanish and all races, except white. Some duplication possible since Spanish may include nonwhite races as well as white.

B. Groups of Statutory Significance

The United States Government has designated certain groups of people to have statutory significance when implementing federally funded programs. These groups are the economically disadvanataged, youth, minorities, handicapped, veterans, workers over 45 years of age, high school dropouts, persons with limited English-speaking ability, and law offenders.

The Employment Service Automated Reporting System (ESARS) provides information on characteristics of individuals and groups of statutory significance who have registered for work at Employment Service Offices. ESARS provides data on applicants by age, sex, race, income level, handicapped, and veteran status. This demographic data is available for the Boston SMSA, Marlborough, and Milford Employment Service Offices in Tables through 89 and 91.

In addition to ESARS information, the Division of Employment Security has data on the racial characteristics of the insured unemployed. This data is provided for March 1982 in Tables 92 and 93 .

Table 89
Characteristics of Applicants Registered at Job Matching Service Centers
Boston SMSA
March 1982

Local Office	Total Active Applicants	Female	Economically Disadvantaged	Veteran	Nonwhite Minority	Age Breakdown		Handicapped
						Under 22	Over 45	
Boston SMSA	39,587	21,759	19,041	5,650	8,448	4,458	7,572	1,694
Boston	4,820	1,622	1,591	1,036	2,284	682	875	203
Cambridge	2,517	1,094	260	418	477	332	447	46
Chelsea	755	296	364	106	112	119	140	38
Framingham	1,603	589	95	375	83	161	338	38
Lynn	1,384	460	209	364	160	259	262	101
Malden	3,772	1,542	355	593	101	667	750	9
Norwood	1,010	511	84	125	24	129	226	15
Quincy	3,622	1,430	256	720	56	516	683	88
Salem	1,783	516	148	700	52	331	364	81
Waltham	2,821	1,119	151	637	198	298	724	132

Source: Employment Security Automated Reporting System (ESARS) Table 96

Table 90

Characteristics Of Applicants Registered At The Marlborough Job Matching Center March 1982

Characteristics Of Applicants	Active File End Of Period
Total All Ages	1,153
Age	
16 - 19	99
20 - 21	107
22 - 39	638
40 - 54	225
55 and Over	83
Sex	
Male	679
Female	474
Highest Grade of School Completed	
0 - 7	24
8 - 11	206
12	571
Over 12 Years	352
Handicapped	79
Welfare	73
Ethnic Groups	
White	1,107
Black	8
Hispanic	27
Veteran	226
Vietnam - Era Veteran	78

Source: ESARS Table 6

Table 91

Characteristics Of Applicants Registered At The Milford Job Matching Center March 1982

Characteristics Of Applicants	Active File End Of Period
Total All Ages	1,113
Age	
16 - 19	88
20 - 21	132
22 - 39	613
40 - 54	208
55 and Over	72
Sex	
Male	682
Female	431
Highest Grade of School Completed	
0 - 7	18
8 - 11	208
12	584
Over 12 Years	303
Handicapped	47
Welfare	75
Ethnic Groups	
White	1,084
Black	9
Hispanic	15
Veteran	248
Vietnam -Era Veteran	93

Source: ESARS Table 6

Table 92
Racial Characteristics of Insured Unemployed
Boston SMSA - by Local Office
March 1982

Office Code	Local Office	Total Full Payments	White	Nonwhite	Spanish Surname	Other	Not Coded
22	Boston	3601	2633	685	171	109	3
23	Church Park	2395	513	1341	423	116	2
17	Cambridge	1874	1723	54	74	8	15
25	Chelsea	1737	1629	16	79	13	0
21	Framingham	1421	1362	17	21	19	2
17	Lynn	1874	1723	54	74	8	15
28	Malden	2937	2870	41	6	16	2
34	Newton	2869	2773	25	33	37	0
37	Norwood	2538	2521	7	2	6	1
35	Quincy	3994	3931	39	8	14	0
19	Salem	2305	2229	8	41	13	14
31	Woburn	1984	1947	15	7	14	1

Table 93
Racial Characteristics of Insured Unemployed
Marlborough-Milford Local Office
March 1982

Office Code	Local Office	Total Full Payments	White	Nonwhite	Spanish Surname	Other	Not Coded
33	Marlborough	1293	1125	99	56	11	2
09	Milford	1979	1945	6	17	5	6

Source: RSO-64 Division of Employment Security Unpublished Data

VIII. Training Programs

Bay State Skills Corporation

The Bay State Skills Corporation (BSSC) is a state funded organization created in 1981 to provide matching grants to train Massachusetts citizens for jobs in growing private sector industries. A major aim of BSSC programs is to create ongoing partnerships between businesses and academic institutions. The BSSC provides funds for training in such occupations as machine operators, nuclear medicine technologists, tool and die makers, respiratory therapy technicians, registered and licensed practical nurses, and electronic technicians.

The BSSC has targeted certain groups to be primary recipients of job training. These include economically disadvantaged youth age 16 to 21 who live in urban areas. This group's high unemployment rate is of concern when considering job training strategies. The program will also provide money for job training of public employees who are among at least 50 persons in a locality whose jobs were eliminated because of Proposition 2½. State residents formerly employed by private companies are eligible for job training if they are one of at least 75 workers who have lost their jobs permanently because of layoffs, shutdowns, or a natural catastrophe involving one or several employers in an area. Finally, individuals receiving public assistance from the state, including recipients of Aid to Families with Dependent Children, are also eligible for job training under the state program.

The Career and Learning Line (CALL)

The Bay State Skills Corporations and the Massachusetts Occupational Information Coordinating Committee are sponsoring a telephone hotline with up to date career and educational information entitled "The Career and Learning Line" (CALL). This service went into effect on April 5, 1982, and offers descriptive information on over 400 different occupations along with specifics on educational and skills training programs available statewide. CALL will operate weekdays from 9:AM to 5:PM. To reach CALL dial 523-7617 in the Greater Boston Area; outside of Boston dial toll free; 1-800-882-2037.

Work and Training Program (WTP)

The Massachusetts Division of Employment Security entered into the Work and Training Program (WTP) on April 12, 1982. This program is designed to assist recipients of Aid to Families with Dependent Children (AFDC) in obtaining employment. Under WTP, DES Job Club Centers will be providing the following basic job search services:

Group Job Search (Job Club)
Individual Employment Search (IES)
Independent Job Search (IJS)

Two of the above three services (Job Club, IES) are intensive five week structured job seeking activities intended to be provided on an "up front" basis (i.e. shortly after the initial registration, before an individual is assessed for work experience or training). The third (IJS) is administered after an individual has been unsuccessful in his/her initial five week job search efforts, has been reassessed by the Welfare Department, and has subsequently been returned to the DES Job Club Center for additional job search services.

During their initial five weeks in Job Clubs, or IES, WTP registrants are taught successful job search techniques, as well as given support and encouragement from Job Club leaders or IES counselors. IJS, while not as intensive or structured as Job Club or IES, gives WTP registrants a further opportunity to utilize their recently acquired job search skills over an extended period of time, under the guidance of a Job Club Center staff person.

Vocational Rehabilitation Training

One of the goals of the Massachusetts Division of Employment Security is to find suitable training and employment opportunities for the physically and emotionally handicapped. On a referral basis, the Division works closely with the Massachusetts' Rehabilitation Commission (MRC) towards this end. The Rehabilitation Commission will work both with the client and prospective employer to overcome barriers to gainful employment. The MRC helps employers hire the handicapped by providing:

a. a screened and tested job-ready applicant.
b. a job follow-along by professional counselors.
c. a partial reimbursement for on-the-job training
d. help with any problems ranging from architectural barriers to compliance with affirmative action.
e. the expertise of counselors as consultants.

The Morgan Memorial Goodwill Industries is another avenue through which the handicapped can become employed. Morgan Memorial has found that the handicapped can perform many tasks for industry such as: packaging, assembly, salvaging, manufacturing, mailing,crimping, grommeting, color coding, weaving, sorting, bar sealing, preforming electronic components, inspection, and shipping. These tasks and others can be performed well at a labor saving cost to industry, while providing employment and training to the handicapped. It is important for business to realize the benefits of this service in order to keep the handicapped in Morgan Memorial Goodwill Industries working and developing skills. This process may ultimately lead to the handicapped person taking his place in the workforce by being able to secure a job on his own.

IX

APPENDIX

JOB MATCHING SERVICES

JOB MATCHING SERVICES are provided to Massachusetts workers through a network of more than 38 full-service DES Job Matching Centers and mini-offices located throughout the State. Each office provides a variety of services geared to help a wide range of workers including those who are job-ready and those who need assistance in making vocational choices or changes. DES Job Matching Centers are listed in the yellow pages telephone directory -- Employment Agency listings -- under "Employment Security".

JOB MATCHING CENTERS are staffed by professional placement interviewers and employment counselors. Job orders received from employers in Massachusetts and other states are listed on a computerized job bank. Local centers receive job orders on film and new jobs are listed on a daily basis. In many offices viewers are available so that job seekers may look at job listings which are complete except for employers' names. Jobs listed are in a variety of occupations and industries, from entry-level jobs to managerial, clerical, technical and professional openings.

VOCATIONAL COUNSELING AND TESTING services are available by appointment in all full-service Job Matching Centers. DES counselors will assist workers who need to make career choices, provide current job market information and assist with job search strategies, such as job interviews and resume-writing. Aptitude and clerical proficiency tests may be available in these offices to help job seekers assess their abilities and skills, Job Search Workshops - focusing on how to write resumes and the correct way to handle a job interview are now conducted in many DES Job Matching Centers.

JOB FAIRS AND JOB RECRUITMENT activities are frequently planned by Job Matching Centers. Job fairs may be organized by DES independently or in cooperation with local organizations such as the Chamber of Commerce, schools or employers. Many employers use the local Job Matching Centers for on-site recruitments to fill jobs when there are a large number of openings available. These events -- job fairs, special recruitments and career days -- benefit job seekers by exposing them to many job openings and by affording them the opportunity to be interviewed by a variety of employers at one location.

COMPUTER - ASSISTED JOB MATCHING is available in a number of Job Matching Centers. The qualifications of each job seeker are entered into the computer system and are matched daily against all job orders received by employers. A print-out is received the following day with a list of qualified applicants, who best meet the employer's specifications, for each job order. The local Job Matching Center then contacts applicants to arrange for interviews.

PLACEMENT SPECIALISTS ARE ASSIGNED to each full-service Job Matching Center to help job seekers with special concerns and needs. Handicapped workers, older workers, veterans and youth, have available trained interviewers or counselors with whom they can consult on job search activities. These specialists have information on special programs when appropriate and on available training and job placement programs.

JOB SEARCH RESOURCES

There are many resources available to help you in your job search. These may include organizations and publications that you have not considered and which are readily available at little or no cost.

Depending on your past job experience and your future career plans some of the resources below may be more appropriate for you than others. Look at all your options, make a career plan, and begin the full-time job of finding a job. Good luck!

U.S. DEPARTMENT OF LABOR publications can be found in libraries, guidance departments and in Division of Employment Security (DES) Job Matching Centers throughout Massachusetts. These publications include:

Occupational Outlook Handbook, U.S. Department of Labor; a major source of vocational guidance information for hundreds of occupations. Describes what workers do on the job, salary requirements and future availability of jobs.

Occupational Outlook Quarterly, U.S. Department of Labor; a periodical to help job seekers keep abreast of occupational employment developments. Contains articles on emerging occupations, training opportunities and career counseling programs.

Dictionary of Occupational Titles, U. S. Department of Labor; provides up-to-date descriptions for the majority of occupations, and characteristics of most jobs.

Occupational Outlook for College Graduates, U. S. Department of Labor; a publication with information about more than 100 jobs that require education beyond high school.

Employment Outlook for College Graduates in New England, U. S. Department of Labor; current information about job openings furnished by placement directors from a representative sample of New England schools.

While the titles of some of these publications may indicate they are targeted to recent college graduates, these booklets contain valuable job market information for people making job changes and doing career planning.

DES JOB MARKET RESEARCH publications - include data on the occupational and industrial outlook in Massachusetts and on employment rates in the State's major cities and labor market areas. These publications are mailed to libraries and schools and ar available in DES Job Matching Centers. They include:

JOB SEARCH RESOURCES
(continued)

Employment Requirements By Occupation, By Industry, Occupational/Industry Research publication, Massachusetts Division of Employment Security; this report forecasts the job outlook in Massachusetts through 1985.

"Put Your Knowledge to Work" -- A Job Market Guide for Liberal Arts Graduates explains which occupations look promising for recent college graduates. The guide provides an industrial profile of Massachusetts, a list of some of the State's largest employers as well as an overview of the fields that offer liberal arts graduates the best job opportunities.

CLASSIFIED ADVERTISEMENTS are an excellent source of career information. In addition to newspaper classified advertisements, similar help-wanted ads appear in professional journals and trade publications. Newspaper classified ads will provide you with a broad range of job openings and an overall view of the current job market in a particular geographical area. Advertisements in professional and trade journals provide job market information in a particular career field. Depending on the distribution of the journal, these openings may be statewide, regional or nationwide. Job seekers can obtain a great deal of information through the analysis of these ads: salary ranges, current job requirements such as education and experience, industries in which jobs are available, and geographical locations.

YELLOW PAGES of the telephone directory, along with industrial and Chamber of Commerce directories list names of firms in various industries that may have jobs open. These directories can be extremely helpful for job seekers who want to develop their own jobs as opposed to responding to help wanted advertisements. The telephone company may have yellow pages directories for major cities in Massachusetts and other states, and libraries usually have copies of Industrial and Chambers of Commerce directories.

SCHOOL, COLLEGE, TRADE UNION AND PROFESSIONAL associations may have jobs listed with them by alumni or members. These sources provide good job leads for people interested in jobs in a particular field or with a particular industry.

DES JOB MATCHING SERVICES are available to all job seekers through a network of more than 42 full-service Job Matching Centers and mini-offices located throughout the State. Placement interviewers and employment counselors will help people to find jobs and will work with individuals who need help in making vocational choices or changes. Computer-assisted job matching is available in a number of offices to provide even more efficient placement services. In many DES Job Matching Centers self-service units are available to job seekers. Microfiche viewers in these units have listings of jobs open statewide. These listings are an excellent source of job market information and can be viewed independently of seeing a placement interviewer. DES Job Matching Centers are listed in the yellow pages telephone directory -- Employment agency listings -- under Employment Security.

DIVISION OF EMPLOYMENT SECURITY YOUTH SERVICES

THE YOUTH BRIDGE PROGRAM has been developed by the Massachusetts Division of Employment Security (DES) to help youth to make the transition from school to work. DES staff members work with young people while they are in school helping them to learn about the job market and to develop job search skills. There are three principal components to the DES Youth Bridge Program.

THE IN-SCHOOL JOB MATCHING PROJECT is a Statewide program currently providing services to 25 Massachusetts high schools. DES placement specialists are located in the high schools, usually on a full-time basis, to provide job matching services to students graduating and entering the full-time job market; needing part-time jobs after school; looking for summer jobs. DES specialists provide employment counseling, job market information, job referrals and development of job opportunities. While the In-School Program is targeted to graduating students who will not be continuing their educations, counseling and placement services are also available to help potential high school dropouts find full-time jobs. During the past fiscal year, more than 4500 students were placed in jobs by the DES in-School Program.

THE HIGH SCHOOL GRADUATES INITIATIVE was started in 1981 by DES to help high school seniors throughout Massachusetts make the transition from school to work. DES Job Matching Centers actively worked with 220 of the 303 Massachusetts high schools; 6100 seniors, who were going directly from school to full-time jobs, were registered to receive job placement services from DES. Services provided by DES ranged from interviews on-site at the schools, job workshops, career days, employment counseling, vocational testing, and job referrals. Eleven percent of Massachusetts high school seniors entering the labor market - more than 2300 students - were placed in jobs during the past fiscal year.

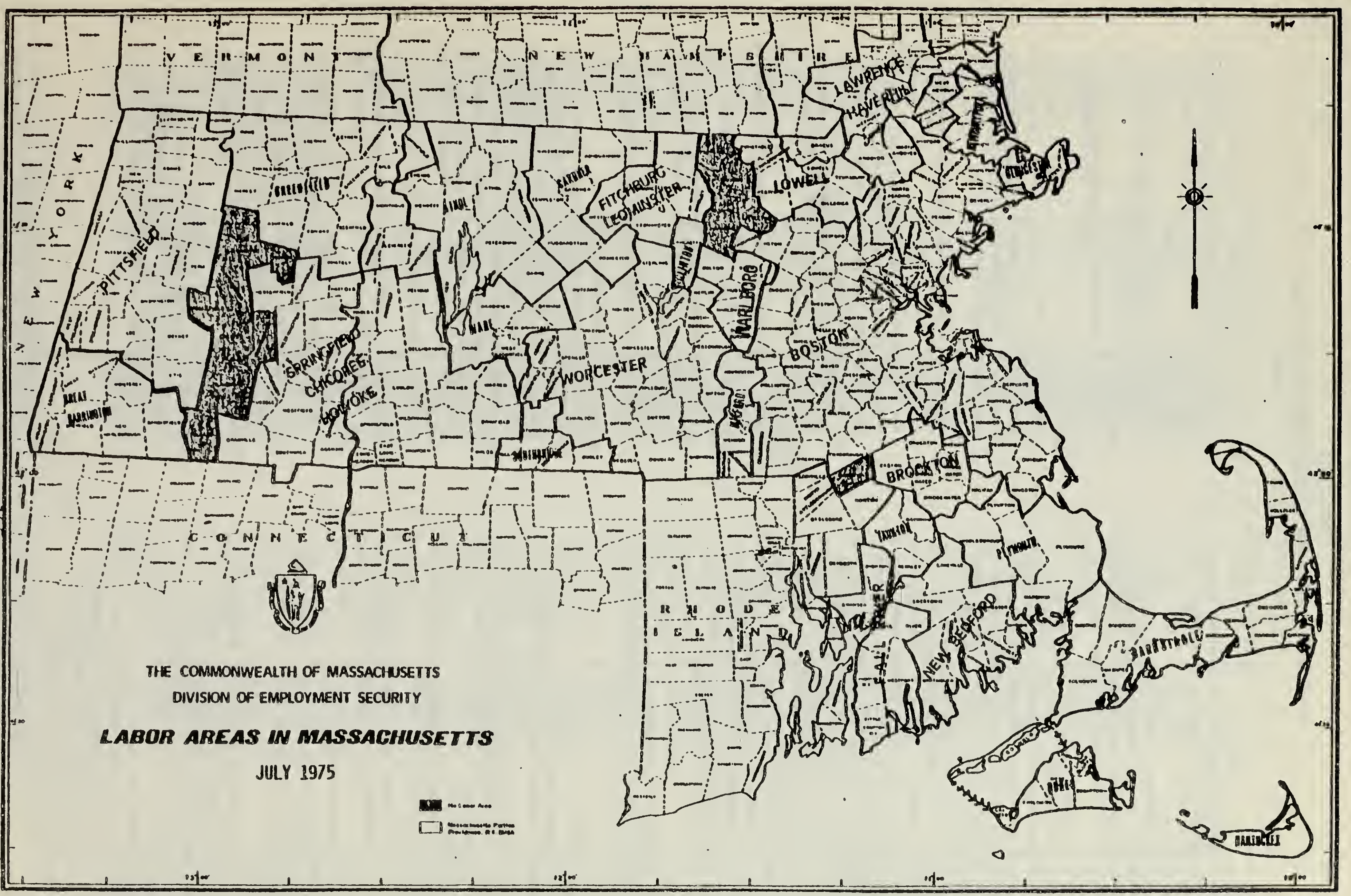
THE YOUTH SUMMER JOBS PROGRAM begins in early spring and continues through the summer months. In 1981 more than 8550 young people were helped to find summer employment by DES. Job Matching Center staff members help to place people in private sector summer jobs and in the State summer jobs program, primarily with the Metropolitan District Commission and the Department of Environmental Management.

DES has also offered summer work experience to high school guidance counselors who wish to learn more about the current and future job market and about employment counseling and placement services available to high school youth through DES. Through this innovative program, during the past three summers, DES has forged closer working relationships with 120 school guidance counselors.

DES JOB MATCHING CENTERS provide a variety of services to any young person needing assistance in making career choices or finding employment. DES full-service offices offer employment counseling, vocational testing, job market information, job search workshops, job listings and job referrals.

More information on DES youth programs is available at any DES Job Matching Center, or by calling the Youth Services Division at 727-6580.

Map 7



THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY

LABOR AREAS IN MASSACHUSETTS

JULY 1975

Table 94

DEFINITIONS OF MASSACHUSETTS LABOR AREAS WITH CITY CODES AND COUNT OF CITIES AND TOWNS IN AREAS

ATHOL:
Athol(001), Barre(002), Erving(189), New Salem(005), Orange (006), Petersham(007), Phillipston(008), Royalston(009), Warwick(012), Wendell(203). Total - 10.

BARNSTABLE COUNTY:
Barnstable(031), Bourne(032), Brewster(033), Chatham(034), Dennis(035), Eastham(036), Falmouth(037), Harwich(038), Mashpee(039), Orleans(040), Provincetown(042), Sandwich(043), Truro(044), Wellfleet(045), Yarmouth(046). Total - 15.

BOSTON:
Abington(112), Acton(472), Arlington(062), Ashland(282), Bedford(473), Bellingham(282), Belmont(063), Beverly(412), Boston(051), Boxborough(165), Boxford(212), Braintree(402), Brookline(052), Burlington(492), Cambridge(061), Canton(362), Carlisle(474), Chelsea(141), Cohasset(403), Concord(475), Danvers(413), Dedham(363), Dover(364), Duxbury(116), Everett (072), Foxborough(022), Framingham(265), Franklin(284), Hamilton(416), Hanover(120), Hanson(122), Hingham(404), Holbrook(123), Holliston(285), Hull(405), Kingston(124), Lexington(476), Lincoln(477), Lynn(251), Lynnfield(252), Malden(071), Manchester(417), Marblehead(418), Marshfield (125), Medfield(365), Medford(081), Medway(288), Melrose(073), Middleton(419), Millis(366), Milton(406), Nahant(253), Natick (288), Needham(092), Newton(091), Norfolk(367), North Reading(493), Norwell(407), Norwood(361), Peabody(420), Pembroke(127), Quincy(401), Randolph(130), Reading(494), Revere (142), Rockland(132), Salem(411), Saugus(254), Scituate(408), Sharon(368), Sherborn(270), Somerville(101), Stoneham(495), Stoughton(133), Sudbury(274), Swampscott(255), Topsfield(423), Wakefield(074), Walpole(369), Waltham(471), Watertown(093), Wayland(478), Wellesley(094), Wenham(424), Weston(479), Westwood(370), Weymouth(409), Wilmington(496), Winchester (497), Winthrop(143), Woburn(491), Wrentham(027).
Total - 92.

BROCKTON:
Avon(113), Bridgewater(114), Brockton(111), East Bridgewater (117), Easton(118), Halifax(119), West Bridgewater(134), Whitman(135). Total - 8.

CLINTON:
Clinton(168), Lancaster(170). Total - 2.

DUKES COUNTY:
Chilmark(303), Edgartown(305), Gay Head(307), Gosnold(308), Oak Bluffs(314), Tisbury(316), West Tisbury(318). Total - 7.

FALL RIVER:
Dighton(463), Fall River(151), Somerset(153), Swansea(154), Westport(155); Little Compton & Tiverton, Rhode Island, Total - 5 in Massachusetts - 2 in R.I.

FITCHBURG-LEOMINSTER:
Fitchburg(161), Leominster(172), Lunenburg(173), Shirley(176), Townsend(178), Westminster(179). Total - 6.

GARDNER:
Ashby(163), Ashburnham(162), Gardner(167), Hubbardston(004), Princeton(175), Templeton(010), Winchendon(180). Total - 7.

GLOUCESTER:
Essex(414), Gloucester(415), Rockport(422). Total - 3.

GREAT BARRINGTON:
Alford(372), Egremont(376), Great Barrington(377), Monterey(384), Mt. Washington(385), New Marlborough(386), Sandisfield(390), Sheffield(392). Total - 8.

GREENFIELD:
Ashfield(182), Bernardston(183), Buckland(184), Charlemont (185), Colrain(186), Conway(187), Deerfield(188), Gill(190), Greenfield(181), Hawley(192), Heath(193), Leverett(194), Leyden(195), Monroe(335), Montague(196), Northfield(197), Rowe(198), Shelburne(199), Shutesbury(200), Sunderland(202), Whately(204). Total - 21.

LAWRENCE-HAVERHILL, MASS.-N.H.
Amesbury(322), Andover(232), Georgetown(213), Groveland (214), Haverhill(211), Lawrence(231), Merrimac(215), Methuen (233), North Andover(234), Salisbury(326), West Newbury(327); Atkinson, Hampstead, Kingston, Newton, Plaistow, Salem & Windham, New Hampshire. Total - 11 in Massachusetts - 7 in N.H.

LOWELL:
Billerica(242), Chelmsford(243), Dracut(244), Dunstable(245), Lowell(241), Tewksbury(247), Tyngsborough (248), Westford (249). Total - 8.

MARLBOROUGH:
Bolton(264), Hudson(266), Marlborough(261), Maynard(267), Southborough(272), Stow(273). Total - 6.

MILFORD:
Hopedale(286), Hopkinton(287), Mendon(289), Milford(281). Total - 4.

NANTUCKET:
Nantucket(313). Total - 1.

NEW BEDFORD:
Acushnet(302), Dartmouth(304), Fairhaven(306), Freetown(152), Lakeville(309), Marion(310), Mattapoisett(312), New Bedford (301), Rochester(315). Total - 9.

NEWBURYPORT:
Ipswich(323), Newbury(324), Newburyport(321), Rowley(325). Total - 4.

PITTSFIELD:
Adams(332), Becket(373), Cheshire(374), Clarksburg(333), Dalton(375), Florida(334), Hancock(378), Hinsdale(379), Lanesborough(380), Lee(382), Lenox(383), New Ashford(336), North Adams(331), Otis(387), Peru(388), Pittsfield(371), Richmond(389), Savoy(337), Stockbridge(393), Tyringham(394), Washington(395), West Stockbridge(396), Williamstown(338), Windsor(397). Total - 24.

PLYMOUTH:
Carver(115), Middleborough(126), Plymouth(128), Plympton(129), Wareham(317). Total - 5.

PROVIDENCE-PAWTUCKET, R.I. SMSA-MASSACHUSETTS PORTION:
Attleboro(021), Blackstone(283), Millville(290), North Attleborough(024), Norton(025), Plainville(026), Rehoboth(465), Seekonk(466). Total - 8.

SOUTHBRIDGE:
Dudley(484), Holland(439), Southbridge(486), Sturbridge(487). Total - 4.

SPRINGFIELD-CHICOPEE-HOLYOKE:
Agawam(432), Amherst(342), Belchertown(343), Brimfield(434), Chesterfield(345), Chicopee(435), Easthampton(347), East Longmeadow(436), Granby(349), Granville(437), Hadley(350), Hampden(438), Hatfield(352), Holyoke(221), Longmeadow(440), Ludlow(442), Monson(443), Montgomery(444), Northampton(341), Palmer(445), Pelham(355), Russell(446), South Hadley(223), Southampton(357), Southwick(447), Springfield(431), Wales (449), Warren(452), Westfield(453), Westhampton(358), West Springfield(454), Wilbraham(455), Williamsburg(359). Total - 33.

TAUNTON:
Berkley(462), Raynham(464), Taunton(461). Total - 3.

WARE:
Hardwick(003), New Braintree(510), Oakham(513), Ware(450), West Brookfield(520). Total - 5.

WORCESTER:
Auburn(502), Berlin(263), Boylston(503), Brookfield(504), Charlton(482), Douglas(483), East Brookfield(505), Grafton (506), Holden(507), Leicester(508), Millbury(509), Northborough(269), Northbridge(292), North Brookfield(512), Oxford (485), Paxton(514), Rutland(515), Shrewsbury(516), Spencer (517), Sterling(177), Sutton(488), Upton(293), Uxbridge(294), Webster(481), Westborough(518), West Boylston(519), Worcester (501). Total - 27.

BALANCE OF STATE - NO LABOR AREA:
Ayer(164), Blandford(433), Chester(344), Cummington(346), Goshen(348), Groton(168), Harvard(169), Huntington(353), Littleton(246), Mansfield(023), Middlefield(354), Pepperell (174), Plainfield(356), Tolland(448), Worthington(360). Total - 15.

TOTAL MASSACHUSETTS CITIES AND TOWNS - 351

Table 95
MASSACHUSETTS
CITIES AND TOWNS AND LABOR AREA LOCATION

CITY/TOWN	CORRESPONDING LABOR AREA
Abington	Boston
Acton	Boston
Acushnet	New Bedford
Adams	Pittsfield
Agawam	S-C-H
Alford	Gt. Barrington
Amesbury	L-H
Amherst	S-C-H
Andover	L-H
Arlington	Boston
Ashburnham	Gardner
Ashby	Gardner
Ashfield	Greenfield
Ashland	Boston
Athol	Athol
Attleboro	P-PR.I., Mass
Auburn	Worcester
Avon	Brockton
Ayer	*
Barnstable	Barnstable
Barre	Athol
Becket	Pittsfield
Bedford	Boston
Belchertown	S-C-H
Bellingham	Boston
Belmont	Boston
Berkley	Taunton
Berlin	Worcester
Bernardston	Greenfield
Beverly	Boston
Billerica	Lowell
Blackstone	P-PR.I., Mass
Blandford	*
Bolton	Marlborough
Boston	Boston
Bourne	Barnstable
Boxborough	Boston
Boxford	Boston
Boylston	Worcester
Braintree	Boston
Brewster	Barnstable
Bridgewater	Brockton
Brimfield	S-C-H
Brockton	Brockton
Brookfield	Worcester
Brookline	Boston
Buckland	Greenfield
Burlington	Boston
Cambridge	Boston
Canton	Boston
Carlisle	Boston
Carver	Plymough
Charlemont	Greenfield
Charlton	Worcester
Chatham	Barnstable
Chelmsford	Lowell
Chelsea	Boston
Cheshire	Pittsfield
Chester	*
Chesterfield	S-C-H
Chicopee	S-C-H
Chilmark	Dukes County
Clarksburg	Pittsfield
Clinton	Clinton
Cohasset	Boston
Colrain	Greenfield
Concord	Boston
Conway	Greenfield
Cummington	*
Dalton	Pittsfield
Danvers	Boston
Dartmouth	New Bedford
Dedham	Boston
Deerfield	Greenfield
Dennis	Barnstable
Dighton	Fall River
Douglas	Worcester
Dover	Boston
Dracut	Lowell
Dudley	Southbridge
Dunstable	Lowell
Duxbury	Boston
E. Bridgewater	Brockton
E. Brookfield	Worcester
E. Longmeadow	S-C-H
Eastham	Barnstable
Easthampton	S-C-H
Easton	Brockton
Edgartown	Dukes County
Egremont	Gt. Barrington
Erving	Athol
Essex	Gloucester
Everett	Boston
Fairhaven	New Bedford
Fall River	Fall River
Falmouth	Barnstable
Fitchburg	Fitch-Leom
Florida	Pittsfield
Foxborough	Boston
Framingham	Boston
Franklin	Boston
Freetown	New Bedford
Gardner	Gardner
Gay Head	Dukes County
Georgetown	L-H
Gill	Greenfield
Gloucester	Gloucester
Goshen	*
Gosnold	Dukes County
Grafton	Worcester
Granby	S-C-H
Granville	S-C-H
Gt. Barrington	Gt. Barrington
Greenfield	Greenfield
Groton	*
Groveland	L-H
Hadley	S-C-H
Halifax	Brockton
Hamilton	Boston
Hampden	S-C-H
Hancock	Pittsfield
Hanover	Boston
Hanson	Boston
Hardwick	Ware
Harvard	*
Harwich	Barnstable
Hatfield	S-C-H
Haverhill	L-H
Hawley	Greenfield
Heath	Greenfield
Hingham	Boston
Hinsdale	Pittsfield
Holbrook	Boston
Holden	Worcester
Holland	Southbridge
Holliston	Boston
Holyoke	S-C-H
Hopedale	Milford
Hopkinton	Milford
Hubbardston	Gardner
Hudson	Marlborough
Hull	Boston
Huntington	*
Ipswich	Newburyport
Kingston	Boston
Lakeville	New Bedford
Lancaster	Clinton
Lanesborough	Pittsfield
Lawrence	L-H
Lee	Pittsfield
Leicester	Worcester
Lenox	Pittsfield
Leominster	Fitch-Leom
Leverett	Greenfield
Lexington	Boston
Leyden	Greenfield
Lincoln	Boston
Littleton	*
Longmeadow	S-C-H
Lowell	Lowell
Ludlow	S-C-H
Lunenburg	Fitch-Leom
Lynn	Boston
Lynnfield	Boston
Malden	Boston
Manchester	Boston
Mansfield	*
Marblehead	Boston
Marion	New Bedford
Marlborough	Marlborough
Marshfield	Boston
Mashpee	Barnstable
Mattapoisett	New Bedford
Maynard	Marlborough
Medfield	Boston
Medford	Boston
Medway	Boston
Melrose	Boston
Mendon	Milford

Abbreviation: Fitch-Leom = Fitchburg-Leominster; L-H = Lawrence-Haverhill, Mass., N.H.; P-PR.I., Mass. = Providence-Pawtucket, R.I., Mass.; S-C-H = Springfield-Chicopee-Holyoke;.

* No Labor Area - Balance of State

Table 95

MASSACHUSETTS

CITIES AND TOWNS AND LABOR AREA LOCATION

CITY/TOWN	CORRESPONDING LABOR AREA
Merrimac -	L-H
Methuen	L-H
Middleboro	Plymouth
Middlefield	*
Middleton	Boston
Milford	Milford
Milbury	Worcester
Millis	Boston
Millville	P-PR.I., Mass.
Milton	Boston
Monroe	Greenfield
Monson	S-C-H
Montague	Greenfield
Monterey	Gt. Barrington
Montgomery	S-C-H
Mt. Washington	Gt. Barringon
Nahant	Boston
Nantucket	Nantucket
Natick	Boston
Needham	Boston
New Ashford	Pittsfield
New Bedford	New Bedford
New Braintree	Ware
New Marlboro	Gt. Barrington
New Salem	Athol
Newbury	Newburyport
Newburyport	Newburyport
Newton	Boston
Norfolk	Boston
North Adams	Pittsfield
No. Andover	L-H
No. Attleboro	P-PR.I., Mass.
No. Brookfield	Worcester
No. Reading	Boston
Northampton	S-C-H
Northborough	Worcester
Northbridge	Worcester
Northfield	Greenfield
Norton	P-PR.I., Mass.
Norwell	Boston
Norwood	Boston
Oak Bluffs	Dukes County
Oakham	Ware
Orange	Athol
Orleans	Barnstable
Otis	Pittsfield
Oxford	Worcester
Palmer	S-C-H
Paxton	Worcester
Peabody	Boston
Pelham	S-C-H
Pembroke	Boston
Pepperell	*
Peru	Pittsfield
Petersham	Athol
Phillipston	Athol
Pittsfield	Pittsfield
Plainfield	*
Plainville	P-PR.I., Mass.
Plymouth	Plymouth
Plympton	Plymouth
Princeton	Gardner
Provincetown	Barnstable
Quincy	Boston
Randolph	Boston
Raynham	Taunton
Reading	Boston
Rehoboth	P-PR.I., Mass
Revere	Boston
Richmond	Pittsfield
Rochester	New Bedford
Rockland	Boston
Rockport	Gloucester
Rowe	Greenfield
Rowley	Newburyport
Royalston	Athol
Russell	S-C-H
Rutland	Worcester
Salem	Boston
Salisbury	L-H
Sandisfield	Gt. Barrington
Sandwich	Barnstable
Saugus	Boston
Savoy	Pittsfield
Scituate	Boston
Seekonk	P-PR.I., Mass.
Sharon	Boston
Sheffield	Gt. Barrington
Shelburne	Greenfield
Sherborn	Boston
Shirley	Fitch-Leom
Shrewsbury	Worcester
Shutesbury	Greenfield
Somerset	Fall River
Somerville	Boston
South Hadley	S-C-H
Southampton	S-C-H
Southborough	Marlborough
Southbridge	Southbridge
Southwick	S-C-H
Spencer	Worcester
Springfield	S-C-H
Sterling	Worcester
Stockbridge	Pittsfield
Stoneham	Boston
Stoughton	Boston
Stow	Marlborough
Sturbridge	Southbridge
Sudbury	Boston
Sunderland	Greenfield
Sutton	Worcester
Swampscott	Boston
Swansea	Fall River
Taunton	Taunton
Templeton	Gardner
Tewksbury	Lowell
Tisbury	Dukes County
Tolland	*
Topsfield	Boston
Townsend	Fitch-Leom
Truro	Barnstable
Tyngsborough	Lowell
Tyringham	Pittsfield
Upton	Worcester
Uxbridge	Worcester
Wakefield	Boston
Wales	S-C-H
Walpole	Boston
Waltham	Boston
Ware	Ware
Wareham	Plymouth
Warren	S-C-H
Warwick	Athol
Washington	Pittsfield
Watertown	Boston
Wayland	Boston
Webster	Worcester
Wellesley	Boston
Wellfleet	Barnstable
Wendell	Athol
Wenham	Boston
W. Boylston	Worcester
W. Bridgewater	Brockton
W. Brookfield	Ware
W. Newbury	L-H
W. Springfield	S-C-H
W. Stockbridge	Pittsfield
West Tisbury	Dukes County
Westborough	Worcester
Westfield	S-C-H
Westford	Lowell
Westhampton	S-C-H
Westminister	Fitch-Leom
Weston	Boston
Westport	Boston
Westwood	Boston
Weymouth	Boston
Whately	Greenfield
Whitman	Brockton
Wilbraham	S-C-H
Williamsburg	S-C-H
Williamstown	Pittsfield
Wilmington	Boston
Winchendon	Gardner
Winchester	Boston
Windsor	Pittsfield
Winthrop	Boston
Woburn	Boston
Worcester	Worcester
Worthington	*
Wrentham	Boston
Yarmouth	Barnstable
Little Compton, R.I.	Fall River
Tiverton, R.I.	Fall River
Atkinson, N.H.	L-H
Hampstead, N.H.	L-H
Kingston, N.H.	L-H
Newton, N.H.	L-H
Plaistow, N.H.	L-H
Windham, N.H.	L-H

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* No Labor Area - Balance of State

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